

# FUND UTILIZATION REPORT

Office of the Dean, Alumni & Corporate Relations

**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY**

Mumbai, India

## **FUND UTILIZATION REPORT**

Financial Year 2016 -17

## Fund Utilization Report

Sr. No	TITLE	PAGE No.
<b>A.</b>	<b>Introduction</b>	5
	A.1. Vision	5
	A.2. Mission	5
	A.3. Message from Dean ACR	5
	A.4. Donation Details (Alumni + Corporates)	6
<b>B.</b>	<b>Student &amp; Hostel Development</b>	7
	B.1. Student Scholarships	7
	B.2. Student Fellowships	7
	B.3. Loan Scholarships	7
	B.4. Awards & Prizes during Convocation 2016	8
	B.5. Student Development Fund	8
<b>C.</b>	<b>Faculty Development</b>	10
	C.1. Chair Professorships	10
	C.2. Excellence in Teaching Awards	10
	C.3. Young Faculty Awards	11
	C.4. Faculty Awards	11
<b>D.</b>	<b>Infrastructure Development</b>	13
	D.1. Wadhvani Electronics Laboratory	13
	D.2. Applied Materials Laboratories	13
	D.3. National Centre of Mathematics	14
	D.4. Wadhvani Research Centre for Bioengineering (WRCB)	15
	D.5. Tinkerer's Laboratory	15
	D.6. Tata Centre for Technology & Design	15
	D.7. Desai Sethi Centre for Entrepreneurship	16
	D.8. Shenoy Innovation Studio	16
<b>E.</b>	<b>Class Projects</b>	18
	E.1. Class of '72	18
	E.2. Class of '75	18

Sr. No	TITLE	PAGE No.
	E.3. Class of '78	18
	E.4. Class of '80	19
	E.5. Class of '81	19
	E.6. Class of '82	19
	E.7. Retired Faculty Wellness Fund	20
	E.8. Class of '85	20
	E.9. Class of '86	21
	E.10. Class of '87	21
	E.11. Class of '88	22
	E.12. Class of '89	22
	E.13. Class of '90	23
<b>F.</b>	<b>Endowments</b>	24
	F.1. Prof. A Jaganmohan Award Endowment	24
	F.2. Library Journals & Sci Finder Endowment	24
	F.3. Prof. S.P. Sukhatme Endowment Fund	24
	F.4. Prof. N. R. Kamath Chair Professorship Endowment	25
	F.5. Wadhvani Research Centre for Bioengineering (WRCB) Endowment	25
<b>G.</b>	<b>IIT Bombay Heritage Foundation Donations</b>	26
<b>H</b>	<b>Lecture Series</b>	27
	H.1. Prof. C V Sheshadri Lecture	27
	H.2. Girish Sant Memorial Lecture	28
	H.3. Indira Foundation Distinguished Lecture	28
	H.4. Prof. K. C. Khillar Lecture	28
	H.5. IITB Westinghouse Lecture	30
	H.6. ICICI Bank GL Mehta Lecture	31
	H.7. Radhika Rajan Leadership Lecture	31
	H.8. N R Kamath Chair Lecture	31
	H.9. N R Kamath Chair Colloquium	32
<b>I</b>	<b>Major Events Organized by Dean ACR Office</b>	34

Sr. No	TITLE	PAGE No.
	I.1. Institute Valedictory Function	34
	I.2. Mr. Takeshi Furuchi visits IIT Bombay	35
	I.3. Student Alumni Meet	36
	I.4. Alumni Day & Conferment of Distinguished Service Awards	36
	I.5. Alumni Reunions	37
	I.6. US Annual Roadshow	37
	I.7. Faculty Alumni Network India Symposium & Distinguished Alumni Meet	38
	I.8. Foundation Day & Presentation of Distinguished Alumnus & Young Alumnus Achievers Awards	38
<b>J</b>	<b>APPENDIX</b>	40
	J.1. Funded Scholarship Details	40
	J.2. Funded Fellowship Details	53
	J.3. Awards and Prizes during Convocation	55
	J.4. List of Named/Institute Chair Professors	57
	J.5. List of Young Faculty Award Recipients	61
	J.6. Distinguished Alumnus Awards 2016	65
	J.7. Young Alumnus Achiever Awards 2016	78
<b>K</b>	K.1. Contact Us	88

## A. Introduction

### A.1. Vision:

---

Initiate, nurture and sustain engagement with alumni and corporations as active partners in the Institute's pursuit of excellence.

### A.2. Mission:

---

- To create programs and opportunities for alumni and corporations to contribute to the development of the Institute.
- To manage initiatives and provide support to alumni and corporations to strengthen their engagement with the Institute.
- To provide support within the Institute to promote and strengthen engagement with alumni and corporations.

### A.3. Message from Dean ACR:

---

Dear Alum,

I am happy to report that many exciting things have happened at IIT Bombay since I last wrote to you in 2016. You will be glad to know that the Institute has moved significantly up from 219th rank last year to 179th rank this year in the Quacquarelli Symonds (QS) World University Rankings. Overall, the Institution improved on its 2017 performance by 40 places.

I am proud to inform you that our Young Alumnus Achiever Awardee, **Prof. Viral Acharya** (B.Tech. 1995, Computer Science & Engineering) has been appointed as a Deputy Governor of Reserve Bank of India. Viral is currently a professor at New York University's Stern School of Business. An acclaimed economist, Viral has been regularly interacting with the economics group of the Institute.

We celebrated our 54<sup>th</sup> Convocation in August, where over 2500 degrees were conferred on graduating students. Dr. Rajendra Singh, Chairman, Tarun Bharat Sangh and winner of Stockholm Water Prize 2015, was the Chief Guest for the occasion and delivered the Convocation Address. Among other interesting events, Pratham, a microsatellite designed by our students was launched by Indian Space Research Organization (ISRO) from the Satish Dhawan Space Centre, Sriharikota on 26th September 2016.

The Indian Institute of Technology Goa was inaugurated on July 30, 2016 at the auspicious hands of Union HRD Minister Mr. Prakash Javadekar, in the presence of Distinguished Alumnus Manohar Parrikar and Chief Minister of Goa, Mr. Laxmikant Parsekar. IIT Bombay is the mentor institute for IIT Goa.

Several hundred of you visited the Campus on Alumni Day in December 2016. We also had alumni meetings in Bangalore, Bay Area, Boston, Chicago, Dallas, Detroit, Hyderabad, New York City, Seattle and Washington DC in 2016. I want to thank you for participating in the events and staying in touch with the Institute.

Our Distinguished Alumnus **Mr Pramod Chaudhari** has contributed Rs. 2.51 crores towards establishing 'Parimal and Pramod Chaudhari Centre for Learning and Teaching' at IIT Bombay. The Centre will carry out research and development on Teaching and Learning, and work

closely with the academic units, students and faculty to enhance teaching methodologies and learning outcomes.

I also want to thank you for making a record number of donations to IIT Bombay in the last year. This was possible because of the popularity of programs like YFA (Young Faculty Awards), Student Scholarships, and the creative teamwork of all our alumni volunteers involved in the efforts.

Do stay in touch.

Regards,

Ravi Sinha

#### .4. Donation Details:

The Dean Alumni and Corporate Relations (ACR) Office integrates two strategic thrusts for IIT Bombay. One is nurturing and enhancing Alumni Relations and other is the same with Corporations. The government of India, through MHRD, continues to be the primary source of funds for the Institute. The alumni and corporate donations that have picked up significantly in the last few years also provide a great support to the Institute. The Office of Dean ACR performs the important task of nurturing relationship for the benefit of the Institute and raising additional resources from the alumni and other well-wishers of IIT Bombay.

This year the Institute received a total donation of Rs 33.46 Crores. We express our deep gratitude and appreciation for the constant support shown by our alumni and other well-wishers to IIT Bombay. The major donors for the year include Sir Dorabji Tata Trust, Applied Materials, Portescap India Private Limited, CISCO, IIT Bombay Heritage Foundation and Class of 1991, among others.

## B. Student & Hostel Development

All students are informed of various available opportunities of financial support. We also work with students and alumni to identify and to apply for available fellowships and scholarships.- Each year, numerous IITB students receive a number of prestigious awards, fellowships & scholarships enabling them to engage in a variety of activities including: spending time overseas, conducting independent research, and partial / full support for their education expenses.\_Our goal is to further student's academic endeavors by connecting worthy students to merit-based opportunities, to encourage self-development, and to make the application process a worthwhile learning experience. We hope you will stop by our office in person to learn more!

Various student scholarships and fellowships have been instituted by well-wishers in various departments for enabling the students to support their education. A detailed list can be found in the Appendix.

### B.1. Scholarships:

#### B.1.1 Impact of the scholarships from donations on our students

1. Scholarships help to lessen the impact of tuition costs.
2. Scholarships help students have more time to focus on their studies.
3. Scholarships decrease the financial burden on economically weak families of students.
4. Scholarships add to the number of students that are provided financial assistance from Government funds.
5. Scholarships teach philanthropy.

*Please refer to the relevant section in Appendix K.1 for list of Scholarship recipients*

### B.2. Fellowships:

The following Fellowships have been instituted by well-wishers for the benefit of bright and deserving students in various departments.

1. Tata Fellowships
2. Maharashtra Pollution Control Board Fellowships

*Please refer to the relevant section in Appendix K.2 for list of Fellowship recipients*

### B.3. Loan Scholarships:

#### Financial Aid Program

Loan Scholarships are managed by IIT Bombay Alumni Association.

No of disbursements:	287
Student benefited:	200
Amount Disbursed:	Rs 1.46 Cr

## B.4. Awards & Prizes during Convocation 2016

The Convocation function heralded the formal graduation of the latest batch of students, conferring on them the distinction of becoming alumni of our Institute. The 54th Convocation function was held on 13th of August, 2016. The Chief Guest for this year's Convocation was Dr Rajendra Singh, Chairman, Tarun Bharat Sangh and winner of Stockholm Water Prize 2015. A highly recognised social leader, Dr. Singh is internationally renowned as the "Waterman of India." This year's President of India Medal was awarded to Dwaracherla Vikranth Reddy of Electrical Engineering department while Sukanya Vijaysing Patil, also of Electrical Engineering department, was the winner of Institute Gold Medal. Sukanya is the first women student to be awarded with the Institute Gold Medal. More than 2500 degrees were awarded during the year, including over 300 PhD degrees.

For detailed list of Various Awards, Medals and Prizes given out during the Convocation please refer to the relevant section in Appendix K.3.

### B.4.1 Nitesh Thakor Excellence Award in Department of Biosciences and Bioengineering

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	2,81,223
Add: Interest upto 31-03-2017	23,546
Less : Transfer to Endowment	-----
Less : Expenses during the year	-----
Closing Balance as on 31-03-2017	3,04,769

### B.4.2 Dr. P V Sukhatame Prize

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	Nil
Add: Interest up to 31-03-2017	37,500
Less: Program Expenditure (Honorarium to the Speaker)	5,000
Less : Expenses during the year	35,000
Closing Balance as on 31-03-2017	37,500

## B.5. STUDENT DEVELOPMENT FUND

Thanks to the generous support of donors to IIT Bombay, the Student Development Fund has been established to ensure that our students do not miss out on exciting opportunities.

Funds from this account are typically used for travel grants to the students, to take part in various international conferences. Sometimes, also for scholarships for needy students, etc.



The following table shows the details of the amount currently available under the 'Student Development Fund'.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	4,51,915
Interest & Contributions recived during the year	11,31,060
Less : Expenses during the year	10,00,000
Closing balance as on 31-03-2017	5,82,975

Expenditure Details for Student Development Fund:

The amount was sanctioned for procuring equipment's for the IIT Bombay Racing team and Autonomous underwater vehicle team.

## C. Faculty Development

### C.1. Chair Professorships

The Chair Professorship is a distinguished academic position of the Institute and is conceived as an academic honor to recognize outstanding work of existing permanent faculty of the Institute. It can also be used to attract outstanding academicians to join the Institute as faculty. Each Chair is supported by an endowment created from a donation to the Institute.

Establishment of new Chair Professorships is essential for IIT Bombay to attract and retain high quality research faculty, which are the key element required to fulfill the goal of the Institute to be a leading international research university. Chairs also lead to the establishment of new areas of specialization through the recruitment of accomplished researchers in the fields.

The endowment for a Chair is currently Rs. 90 lakhs (Ninety Lakhs Only). Interest from the endowment is used to meet expenses of the Chair, which include an honorarium and contingency expenses. The salary of the Chair Professor and all other benefits (housing, medical etc.) continues to be borne from Institute funds.

List of Named/Institute Chair Professors in the Institute can be found in Appendix K.5

### C.2. Excellence in Teaching Awards

The Excellence in Teaching Award was conferred on the following faculty members on Teacher's Day 2016:

Sr. No	Name of Faculty	Name of Department
1	Prof. B.N. Ballal	Dept. of Metallurgical Engineering and Material Science
2	Prof. P.J. Golay	Dept. of Humanities & Social Sciences
3	Prof. A.N. Joshi	Industrial Design Centre
4	Prof. A. Juneja	Department of Civil Engineering
5	Prof. S. Mahajani	Department of Chemical Engineering
6	Prof. R. Manchanda	Dept. of BioSciences and BioEngineering
7	Prof. P.M. Mujumdar	Department of Aerospace Engineering
8	Prof. N. Nataraj	Department of Mathematics
9	Prof. K. Pandey	Department of Earth Sciences
10	Prof. S. Patankar	Dept. of BioSciences and BioEngineering
11	Prof. V. S. Raja	Dept. of Metallurgical Engineering and Material Science
12	Prof. K.V.K. Rao	Department of Civil Engineering
13	Prof. Sharmila	Dept. Of Humanities & Social Sciences

Sr. No	Name of Faculty	Name of Department
14	Prof. S. Shastri	Dept. Of Humanities & Social Sciences
15	Prof. G.K. Srinivasan	Department of Mathematics

### C.3. Young Faculty Award Fund

IIT Bombay is undergoing this rapid growth phase even as other institutions in India and abroad are planning to expand too. This creates significant challenges in attracting faculty to IIT Bombay. Given the current hiring spurt, the Young Faculty Award program was designed to have a substantial long-lasting impact on IIT Bombay and its faculty profile. YFA awards can ensure that IIT Bombay offers a more attractive package to achieve better results in recruitment. The "Young Faculty Joining Bonus", initially a Class of '82 Legacy Project, has been awarded from 2010 onwards. Classes of '78, '83, '84, '85 and '88 have also joined this project. Nomura has also contributed to the YFA. The project focuses on supporting young faculty in their academic pursuits in order to attract outstanding young faculty to replace retiring faculty and to augment current faculty as a key element for IITB to maintain its long-term competitiveness.

The details of young faculty who have been awarded the "Young Faculty Awards" in last financial year can be found in the Appendix K.6

Following is the detailed accounting statement for the same:

#### Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01/04/16	1,92,54,665
Addition during the year	1,19,50,048
Expenses during the year	1,11,00,000
Closing / Remaining Balance as per 31-03-17	2,01,04,713

### C.4. Faculty Awards

List of faculty awards during the academic year 2016-17

Sr. No	Name of Faculty	Department	Name of Award
1	Prof R P Vedula	Department of Mechanical Engineering	"Prof. A. Jaganmohan Award"
	Prof P Seshu	Department of Mechanical Engineering	

<b>2</b>	Prof Amiya K. Pani	Department of Mathematics	"Prof. S. C. Bhattacharya Award for Excellence in Pure Science"
<b>3</b>	Prof Rinti Banerjee	Department of Biosciences and Bioengineering	"Prof. H. H. Mathur Award for Excellence in Applied Sciences"
<b>4</b>	Prof Gajendra Kumar Adil	SJM School of Management	Best Teacher award in SJMSOM
<b>5</b>	Prof P Seshu	Department of Mechanical Engineering	D P Joshi Teaching Award
<b>6</b>	Prof. Prabhu Ramachandran	Department of Aerospace Engineering	D P Joshi Teaching Award
<b>7</b>	Prof Ashok Joshi Prof Viren Menezes	Department of Aerospace Engineering	Hotchand Lala Award

## D. Infrastructure Development

### D.1. Wadhvani Electronics Laboratory

IIT Bombay's Distinguished Alumnus Dr Romesh Wadhvani is the major contributor towards the "Wadhvani Electronics Laboratory", acquiring several low-end type and a few high-end type instruments and a large number of computers. This donation from Dr Romesh Wadhvani has also supported activities such as Electronics Lab Course (analog & digital – UG – 2<sup>nd</sup> and 3<sup>rd</sup> -year students), Electronic Design Lab (3<sup>rd</sup> and 4<sup>th</sup> year UG students), Microprocessor Lab Course and competition-related events in Techfest. The laboratory has significantly enhanced the activity in the Electrical Engineering Department both qualitatively and quantitatively.



#### Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01/04/16	1,21,20,734
Addition during the year	-----
Expenses during the year	55,75,039
Closing / Remaining Balance as per 31-03-17	65,45,695

### D.2. Applied Materials Laboratories

Applied Materials Exploration Center at IITB, which was inaugurated on May 15th 2013, is the third infrastructure facility wherein Applied Materials is collaborating with IITB since the past 7 years. The vision is to consolidate all ongoing Applied Materials - IITB research at a single platform. Applied Materials Exploration Center is envisioned to provide the necessary platform to step up the Applied Materials-IITB collaboration by enabling the Center of Excellence in

Materials Synthesis for next generation ALD, Solar, Display, Energy Storage and CVD technology.

#### Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	5,17,64,995
Addition during the year	3,42,80,875
Less Expenditure during the year	2,04,85,733
Balance as on 31-03-2017	6,55,60,137

#### Detailed Financial Report

##### Annual Sponsored Projects

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	2,38,05,046
Addition during the year	83,23,750
Less Expenditure during the year	66,94,732
Balance as on 31-03-2017	2,54,34,064

##### CTO Project

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	2,75,00,486
Addition during the year	1,69,68,125
Less Expenditure during the year	51,91,001
Balance as on 31-03-2017	3,92,77,610

##### Chemistry Projects

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	4,59,463
Addition during the year	89,89,000
Less Expenditure during the year	86,00,000
Balance as on 31-03-2017	8,48,463

### D.3. National Center of Mathematics

National Centre for Mathematics has been set up as a joint centre of TIFR and IIT Bombay. The Centre's main activities include short-term courses, workshops, national and international conferences for researchers in mathematics and its applications. The support of Prof Ravi Kulkarni and ARSI Foundation have also been very important to NCM.

#### Consolidated Financial Report

Particulars	Amount ( Rs)
Opening Bal. as on 01-04-2016	3,60,388
Addition during the year	-----
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	3,60,388

#### D.4 Wadhvani Research Centre for Bioengineering (WRCB)

Wadhvani Research Center for Bioengineering (WRCB) has been set up at IIT Bombay as an inter-departmental virtual center with a generous donation from the Wadhvani Foundation. The objective of WRCB is to promote innovation in bioengineering through translational research. WRCB is envisaged as an enabling mechanism to ramp up IIT Bombay's research and technology development efforts in bioengineering.

##### Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	4,55,33,191
Addition during the year	-----
Less expenditure during the year	1,58,05,660
Balance as on 31-03-2017	2,97,27,531

#### D.5 Tinkerer's Laboratory

Indian Institute of Technology Bombay has established a Tinkerers' Laboratory that will provide an enabling physical environment for young engineering students to go hands on and give form and expression to their innovative and creative natures. The Lab has been established with a generous funding received from the Class of 1975, who have pledged a sum of Rs 2 crore towards it. The '75 batch alumni team have moreover, offered to provide mentoring, run workshops and help organize lectures by famous innovators from India and abroad, for the benefit of IIT Bombay students.

##### Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	11,77,643
Addition during the year	5,000
Less Expenditure during the year	8,54,640
Balance as on 31-03-2017	3,28,003

#### D.6 Tata Centre for Technology & Design

Tata Centre for Technology & Design at IIT Bombay was established in 2014 with support from the Tata Trusts. The center aims to develop solutions to challenges faced by resource-constrained communities within India and across the world using an end-to-end innovation approach. Through this process the center aims to develop human resources who are trained

in technology, design and entrepreneurship by way of project work, coursework and field practice. The center nurtures next generation leaders in engineering & business fields who deal with pressing problems in society in the context of complex economic, social and environment factors.

Particulars	Amount (Rs)
Opening Balance as per 01-04-2016	28,76,84,376
Addition during the year	17,20,00,000
Expenses during the year	10,46,98,984
Closing Balance as per 31-03-2017	35,49,85,392

### D.7. Desai Sethi Centre for Entrepreneurship

In a major leap towards encouraging the entrepreneurship spirit among its students, Indian Institute of Technology Bombay established an Entrepreneurship Centre with a generous funding received from Syntel Co-founder and distinguished Alumnus Bharat Desai and Ms. Neerja Sethi, under the aegis of The DS Foundation (Desai Sethi Family Foundation). The Centre is named as 'Desai Sethi Centre for Entrepreneurship', fosters entrepreneurship and technology innovation through new programs for education and research, multi-disciplinary courses, research laboratories and partnerships. Students participating in the programs offered by the centre receive instruction and mentorship from the IITB faculty, serial entrepreneurs, business leaders as well as distinguished guest faculty from leading international institutions.

#### Consolidated Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01-04-2016	3,30,39,571
Addition during the year	-----
Expenses during the year	2,56,68,674
Closing Balance as per 31-03-2017	73,70,897

### D.8. Shenoy Innovation Studio

Shenoy Innovation Studio has been established to create a paradigm shift in design so that student projects can be nurtured to innovation. The studio also supports industries by conducting industry workshops and collaborative projects to design innovation pedagogy and facilitate in-house innovation. It is established in Industrial Design Centre with a generous funding received from Distinguished Alumni Mr Sudhakar Shenoy & Mr Suresh Shenoy.

#### Consolidated Financial Report



Particulars	Amount (Rs)
Opening Balance as per 01-04-16	5,33,915
Addition during the year	-----
Less Expenses during the year	4,80,279
Balance as on 31-03-2017	53,636

## E. Class Projects

The Silver Jubilee tradition has included contributing back to IITB through a Class /Legacy Projects. This contribution is meant as a:

- Token of appreciation for the role that the years at IIT played in our professional and personal development of the students.
- Way of helping the Institute to advance its goals by supporting the Institute in critical areas which are underserved by Institute funding.

Following is the list of various class projects maintained by Dean ACR office –

### E.1. Class of '72

Class of 1972 initiated the project towards the Hostel maintenance during their Silver Jubilee Reunion in 1997. The amount is used for the upkeep of various Hostels on campus.

Particulars	Amount ( Rs)
Opening Bal. as on 01-04-2016	48,80,846
Add Interest during the year	1,59,664
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	50,40,510

### E.2. Class of '75

Class of 1975 initiated the Gymkhana cum cultural complex project with the objective to Establish modern infrastructure for sports & cultural activities among IITB students.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	9,74,208
Addition during the year	----
Expenditure during the year	----
Closing Bal. as on 31-03-2017	9,74,208

### E.3. Class of '78

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	----
Addition during the year	1,15,000
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	1,15,000

## E.4. Class of '80

The Batch of 1980 Alumni choose the "Rejuvenation of Powai lake" project as a part of their Legacy project. Powai lake has deteriorated over the years due to siltation, weeding, sewage & other encroachments. The funds have been used for the betterment of Powai Lake and its surroundings.

### Class of '80

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	16,28,445
Addition during the year	-----
Expenses during the year	-----
Closing Bal. as on 31-03-2017	16,28,445

## E.5. Class of '81

Financial Aid Program (Legacy project of C'81) has been helping students requiring financial support with loans. The FAP is managed by IIT Bombay Alumni Association and provides loans to students for expenses such as purchase of computer.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	3,64,932
Addition during the year	2,002
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	3,84,934

## E.6. Young Faculty Awards

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of '89 have also joined into support the program.

### C'82

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	-----
Addition during the year	17,99,808
Expenditure during the year	17,99,808
Closing Bal. as on 31-03-2017	-----

### C'83

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of 89 have also joined into support the program.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	NIL
Addition during the year	NIL
Expenditure during the year	NIL
Closing Bal. as on 31-03-2017	NIL

C'84

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of 89 have also joined into support the program.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	----
Addition during the year	----
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	-----

## E.7. Retired Faculty Wellness Fund

The Classes of '84, 85, 87, 88, & Class of '89 with a view to express their gratitude to their faculties, the batch initiated a legacy project which is called Retired Faculty Wellness Fund (RWF).

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	38,49,357
Additions during the year	38,83,737
Expenditure during the year	35,57,712
Closing balance	41,75,382

## E.8. Class of '85

The Class of 1985 celebrated their Silver Jubilee Reunion in December 2010. The Class decided to institute the C '1985 Silver Jubilee Legacy Project & have donated funds to IITB with a view to promoting academic & research activities, faculty welfare & student assistance. Their LP consist of following three schemes:

1. **Entrepreneurship Cell:** To help E-cell to foster entrepreneurship on the IITB campus & more specifically fostering entrepreneurship in the area of technology & Sustainable Development.
2. **Retired Faculty Wellness Fund:** Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme “health benefits”.

3. **Young Faculty Awards:** The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
4. **Chair Professorship:** The Class of 85 with a view of promoting academic pursuit & research in the area of technology & sustainable development, have donated to IITB for the purpose of creating a Chair & the Chair shall be called the "Class of 1985 Chair in Technology & Sustainable Development".

Particulars	Amount ( Rs)
Opening Bal. as on 01-04-2016	NIL
Additions during the year	6,13,125
Expenditure during the year	6,13,125
Closing Bal. as on 31-03-2017	Nil

## E.9. Class of '86

Class of 1986 celebrated its Silver Jubilee reunion in December 2011. The tradition of past IITB batches has been to contribute back to its alma mater through a Legacy Project. 86 batch funds projects for providing support to needy students

**Counseling Services Program:** In order to appropriately address the emotional and physiological needs of the students there was a desire to establish and enhance a professional counseling service program that entails the following:

Recruiting professional physiological counselor. Formalizing & providing mentoring services through alum community to help with career counseling and industry mentoring.

Particulars	Amount ( Rs)
Opening Bal. as on 01-04-2016	41,45,000
Additions during the year	7,57,750
Expenditure during the year	10,68,625
Closing Bal. as on 31-03-2017	38,34,125

## E.10. Class of '87

The Class of 1987 had their Silver Jubilee Reunion in December 2012. The Class decided to institute the C '1987 Silver Jubilee Legacy Project & have donated funds to IITB with a view to promoting academic & research activities, faculty welfare & student assistance. Their LP consist of following three schemes:

1. **Technology & Development Solutions Cell:** This program will support a center under the CTARA that will allow IITB to carry out relevant academic & research activities as well as to accept & deliver projects that apply technology to solve developmental needs in rural areas.

2. **Retired Faculty Wellness Fund:** Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme “health benefits”.
3. **Student Financial Assistance:** This is student assistance project to support financial needs of the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	39,48,955
Additions during the year	2,74,233
Expenditure during the year	----
Closing Bal. as on 31-03-2017	42,23,188

### E.11. Class of '88

The Class of 1988 had their Silver Jubilee Reunion in December 2013. The Class decided to institute the C '1988 Silver Jubilee Legacy Project which will consist of the following four schemes:

1. **EE Department Laboratory Fund:** The batch has provided supported innovation & research & to that effect propose to contribute Rs 40 lakhs to the EE Department to specifically support the activities of innovation laboratory of EE Department.
2. **Retired Faculty Wellness Fund:** Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme “health benefits”.
3. **Young Faculty Awards:** The Class has contributed to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit faculty members of excellent quality.
4. **Student Scholarships:** This is a student assistance project to support financial needs of the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	3,20,000
Additions during the year	3,00,000
Transferred to Endowment Account	-----
Closing Bal. as on 31-03-2017	6,20,000

### E.12. Class of '89

The Class of 1989 had their Silver Jubilee Reunion in December 2014. The Class decided to institute the C '1989 Silver Jubilee Legacy Project which consists of the following three schemes:

1. **Young Faculty Awards:** The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
2. **Retired Faculty Wellness Fund:** Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme “health benefits”.

3. **Student Scholarships:** This is a Student assistance project to support financial needs of the students.

**No Fresh donations were received in the year 2016-17 in this account.**

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	NIL
Additions during the year	NIL
Expenditure during the year	NIL
Closing Bal. as on 31-03-2017	NIL

### E.13. Class of '90

The Class of 1990 had their Silver Jubilee Reunion in December 2015. The Class decided to institute the C '90 Silver Jubilee Legacy Project which consists of the following three schemes:

1. **Young Faculty Awards:** The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
2. **Retired Faculty Wellness Fund:** Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme “health benefits”.
3. **Student Scholarships:** This is a student assistance project to support financial needs of the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2016	76,71,250
Additions during the year	2,96,49,175
Expenditure during the year	2,28,65,248
Closing Bal. as on 31-03-2017	1,44,55,177

## F. Endowments

### F.1. Prof A Jaganmohan Award Endowment

Prof Jaganmohan was a Faculty member at IITB from 1<sup>st</sup> June 1958 to 31<sup>st</sup> August 1992. His brother Dr Shivram Murty (Alumnus of IITB) has set up this award in memory of his elder brother. The criteria for this award is Faculty in Mechanical Engineering based on excellence in teacher. The awardees is decided by Final year students of B.Tech, Dual Degree & M.Tech. Programs. The number of awardees is limited two each year, with the additional condition that an awardee is not considered for the next three years. Each awardee receives an award amount of Rs 50,000/-.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	27,78,058
Add Interest for the current year	1,54,719
Addition during the year	-----
Less Expenditure during the year	1,00,000
Closing Bal. as on 31-03-2017	28,32,777

### F.2. Library Journals & Sci Finder Endowment

The Library endowment is funded by donation from the IIT Bombay Heritage Foundation to help with subscriptions of technical journals.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	2,16,13,738
Interest available as on 01-04-2016	24,27,304
Addition during the year	-----
Expenditure during the year	-----
Closing Bal. as on 31-03-2017	2,40,41,042

### F3. Prof. S.P. Sukhatme Endowment

This fund was set up in honor of our former Director Prof S P Sukhatme. Alumni & well-wishers have contributed towards this fund. The expenses incurred towards the following books are paid from this account's interest. History Book, Punctuations, Salt N Pepper & Four Decades at IIT Bombay.

The money collected from the sale of the History Book & Punctuations is credited in this account.



Particulars	Amount (Rs)
Opening Bal. as on 01-04-2016	36,60,098
Interest earned up to 01-04-2016	19,47,782
Addition during the year	2,74,040
Interest during the year	3,00,015
Interest Closing Bal. as on 31-03-2017	19,21,807

#### F.4. N R Kamath Chair Professorship Endowment

Prof N R Kamath served IIT Bombay as a faculty member until his superannuation in 1973. He also served as the head of Chemical Engineering department and Deputy Director for several years. A number of Donors who are alumni of IIT Bombay as well as a number of corporate bodies, with a view the honor the immense contributions of Prof N R Kamath to the Institute, and to concurrently promote academic excellence, have committed to donate a substantial amount for the purpose of creating a chair Professorship endowment.

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	4,75,06,302
Interest available as on 01-04-2016	15,27,078
Addition during the year	12,21,815
Interest during the year	18,12,667
Interest closing balance as on 31-03-2017	9,36,226

#### F.5. Wadhvani Research Centre for Bioengineering (WRCB) Endowment

The objective of WRCB is to establish a new standard for translational research and development in the field of bioengineering in India. The WRCB funds can be used for carrying out translational research projects, topping off salaries, for hosting visiting faculty, conference expenses, post-doctoral fellows & research scholars, etc. The Institute provides the infrastructure like facilities, labs, admin support, etc. for WRCB.

Particulars	Amount (Rs)
Opening balance as on 01-04-2016	6,23,64,281
Interest Addition during the year	35,55,812
Expenditure during the year	-----
Closing Balance as on 31-03-2017	6,59,20,093

## G. IIT Bombay Heritage Foundation Donations

The IIT Bombay Heritage Foundation Inc. was established as a non-profit public benefit corporation in California, USA and received its status as a tax-exempt organization from the Internal Revenue Service of the USA on July 5, 1996. The Foundation has authorization under the Federal Classification level of 170(b) (1) (A) (VI). The Foundation is not organized for the private gain of any person. It is organized under the Nonprofit Public Benefit Corporation Law for charitable purposes. The specific purposes for which the Foundation is organized are to fund and promote education and research among students of the Indian Institute of Technology, Bombay.

The Donations received from IITBHF are to support various activities, and are accounted for under the heads mentioned above. Following is the list of some major donations granted by IITBHF in the year 2016-17:

### Grants received from IITBHF during 2016

Category	Grant 192 (USD)	Grant 192 (INR)	Grant 193 (USD)	Grant 193 (INR)	Total (USD)	Total (INR)	Cumulative Total
Class of 1990 Legacy Project			\$345,000.00		\$345,000.00		\$345,000.00
Enrichment of Sanskrit Word-Net project	\$5,000.00				\$5,000.00		\$5,000.00
Faculty Development Fund (FDF)	\$2,826.00				\$2,826.00		\$427,914.65
HATS & Hostel Renovation	\$13,688.00		\$400.00		\$14,088.00		\$366,013.95
Chair in Civil Engg Dept. - Jitendra Mehta	\$40,000.00				\$40,000.00		\$120,591.69
Mahindra Auto Challenge	\$10,000.00				\$10,000.00		\$10,000.00
Prof. N.R.Kamath Chair	\$1,700.00				\$1,700.00		\$82,780.36
Narendra Joshi Faculty award	\$380.00		\$4,620.00		\$5,000.00		\$50,000.00
Student Development Fund (SDF)	\$10,247.78				\$10,247.78		\$429,858.78
Student Scholarships	\$50,319.75		\$71,630.00		\$121,949.75		352 Named Scholarships
Study Room Project	\$22,181.00				\$22,181.00		\$22,181.00
Young Faculty Award	\$24,103.65		\$1,076.00		\$25,179.65		\$463,111.70
<b>Total Grants made in 2016</b>	<b>\$180,446.18</b>		<b>\$422,726.00</b>		<b>\$603,172.18</b>		

## H. Lecture Series

### H.1. CV Sheshadri Lecture

---

**About the CV Sheshadri Lecture Series:**

The Godrej group and friends, families and students of the late Professor C.V. Sheshadri have initiated an endowment at IIT Bombay for an Annual Institute Distinguished Lecture in the Department of Chemical Engineering, in memory of Professor Sheshadri. Mr. Jamshyd Godrej, CMD, Godrej & Boyce Manufacturing Co. Ltd., has very kindly initiated this corpus with a generous contribution through the Pirojsha Godrej Foundation.



**Title:** Monitoring, Management and Control of Water Distribution Networks

**Speaker:** Prof. Shankar Narasimhan, Department of Chemical Engineering, IIT Madras.

**Abstract:** Water Distribution Networks (WDNs) are large scale, complex systems used for supplying potable water to consumers. The WDN infrastructure is typically designed to last more than 50 years. However, these systems are poorly instrumented and, hence, are neither maintained properly nor operated efficiently. In this talk, the speaker will discuss, three problems of importance in monitoring and efficient operation of WDNs - (a) Identification of leaks in WDNs, (b) the optimal operation of water networks to minimize energy required to meet the demands of consumers and (c) safety of WDNs. All three of these problems can take advantage of increased instrumentation/automation of these networks.

**Event Date:** November 24, 2016

**Venue:** Lecture Hall No. 22, 2nd Floor, Victor Menezes Convention Centre (VMCC)  
IIT Bombay.

## H.2. Girish Sant Memorial Lecture

---

This lecture was not held during the year 2016-17.

### **About the Girish Sant Memorial Lecture Series:**

The batch of 1986 has endowed a lecture series in memory of Girish Sant, who was an alumnus of 1986 batch. They have created a corpus for the same, and the lectures are to be in the area of energy, environment or related topics in memory of Girish, who was a passionate advocate of energy and alternative energy & sustainable development.

## H.3. Indira Foundation Distinguished Lecture

---

This lecture was not held during the year 2016-17.

### **About the Lecture Series:**

Indira Foundation Distinguished Lecture Series was instituted by Indira Foundation, which has been established by Mr. Avi Nash, a Distinguished Alumnus of the Institute. The lecture is held annually in the area of interest to a wider audience that transcends departments and niche research areas. The inaugural lecture in this series was given by Professor George Church from Harvard Medical School in 2013 on "Biologically Inspired Engineering" and the second lecture was delivered by Prof. Uriel Frisch from Observatoire de la Cote d'Azur, University of Nice in 2014.

## H.4. Prof K.C. Khillar Lecture in Chemical Engineering

---

**About the Prof K C Khillar Lecture Series:** The corpus is designed for an annual visit by a distinguished researcher working anywhere in India or abroad, both from academia and industry. Upcoming young researchers could also be invited. This would provide an excellent opportunity for the final year UG and the PG students of our department to listen to and interact with a distinguished person. The distinguished visitor will spend about three to five days in the Department of Chemical Page | 35 FUND UTILIZATION REPORT Engineering, IIT Bombay (he/she will be provided a fully equipped office during the stay). He/she will deliver one Institute Distinguished lecture and two to three Department lectures especially for research students, and interact with the departmental faculty and students, individually or in groups, during the stay. The lectures will be widely publicized.



**Title:** Challenges Facing the Global Minerals and Metals Processing Industry and Opportunities for the Chemical Engineers to Drive Innovation

**Speaker:** Dr. Pradip  
Vice President, TCS,  
Chief Scientist and Head, Process Engineering Innovation Lab  
Tata Research Development and Design Centre (TRDDC)

**Abstract:** Minerals and metals have played a decisive role in the advancement of human civilization. Steel and cement, for example, continue to be the two most important materials for the continued prosperity of a nation even today. With the kind of unprecedented growth rates anticipated in the near future in India, it is important to reflect on the grand challenges facing our industry. While sustained incremental innovation has kept the industry moving along for the past few decades, what it needs today are novel paradigms, processes, tools and technologies which have the potential of causing disruptive innovations on this front.

Considering that we have a glorious heritage in minerals and metals production and processing, our country is richly endowed with natural resources and we need a steady supply of millions of tons of minerals and metals to keep pace with our ever growing essential societal needs in India and we also boast of some of the finest traditions of teaching and scholarship in this field, there is absolutely no reason why India should not be a global leader in minerals, metals and materials engineering – in fact, we must reclaim our global leadership in this field which is so critical to our national prosperity.

A few grand challenges are posed in this presentation based on author's own work in this field. How do we design process flow sheets for producing mineral concentrates from natural ores followed by metal extraction and its conversion to useful products, will now be increasingly dictated by not only conventional criteria of energy efficiency and productivity but also the stringent requirements of environment compliance, that is, reduction of carbon dioxide and carbon footprint in general, need for "zero" emission and "zero" waste technologies, conversion of "waste products" into value-added items of mass consumption and resource conservation throughout the complete cradle to cradle life cycle.

Design for complete recyclability will soon become a new technology driver for the industry. Utilization of renewable sources of energy in addition to enhanced energy efficiency in whatever we do is an urgent imperative of our times.

With the kind of productivity levels we have already achieved, the society is now demanding a more humane, more eco-friendly and a more sustainable (over extended time and space

horizons) industrial development and growth paradigm. New business models will have to be invented to sustain businesses. The nature of job or work itself is going to change dramatically – we shall work not for living but for creative professional satisfaction. Possibilities exist today on our planet for human beings to live to their full creative potential and in the process, transform society for the better.

Another disruptive innovation in the making is the advent of the digital era. It is important to reckon with the rapid advances being made in the fields of cloud computing, big data & analytics, artificial intelligence, robotics & automation, mobility & pervasive computing, and social media.

Every facet of our lives is being transformed on a daily basis. Mining, minerals and metals industry is also on the cusp of a great transformation as a consequence of these advances in our ability to design and deploy machines/devices to not only do routine, repetitive but also increasingly complex tasks. There are possibilities of innovation at the interface of information technology and various industrial domains of knowledge.

With the kind of skill sets chemical engineers possess, they have an opportunity to lead this transformation unfolding before us.

Our own most recent integrated computational materials engineering (ICME) platform, TCS PREMAP for example, has been developed to seamlessly integrate the various unit operations associated with the design, development and deployment of new materials and new components, with the help of state-of-the-art model driven software engineering. As an illustrative case study, I will share some of the highlights of this most recent development which promises to transform the way we design, develop and deploy engineered products today.

**Event Date:** April 12, 2016

**Venue:** P C Saxena Auditorium, IIT Bombay.

## H.5. Westinghouse – IIT Bombay Nuclear Engineering Leadership Lecture Series

---

This lecture was not held during 2016-17.

### **About the Lecture Series:**

This Leadership Lecture series would invite Indian / International senior Government policy makers, industry executives, and researchers from R & D organizations and Academic innovations, industry challenges & share their experiences / insights with IITB students and interested public. The topic of the lecture shall be contemporary in nature or of relevance to the field of Nuclear Engineering, Science & technology.

## H.6. ICICI Bank G L Mehta Lecture

---

This lecture was not held during the year 2016-17.

**About the Lecture Series:**

The GL Mehta Memorial Lecture was instituted in the early seventies in memory of Mr G L Mehta, who was the second Chairman of IIT Bombay's board of governors. Mr Mehta was also the Founding Chairman of ICICI. The lecture is delivered by eminent economists, corporate leaders and development experts. The first lecture was held in February 1976 and noted economists Dr K N Raj spoke on "Growth and stagnation in Indian Industrial Development". The lecture held in January 2013, was delivered by Nobel Laureate Prof Amartya Sen, he spoke on "India: a Defense and a critique".

## H.7. Radhika Rajan Leadership Lecture

---

This lecture was not held during the year 2016-17.

**About the Lecture Series:**

The Radhika Rajan women leadership Lecture series was instituted by one of our Alumna Ms Radhika Rajan. The lecture is held annually and is delivered by Women leaders in various fields. The first lecture was held in March 2011 by Mrs Rohini Nilekani, Former Chair Person, Akshara Foundation & Pratham Books. The second Radhika Rajan Leadership Lecture was delivered on March 2, 2016 by the well-known mountaineer, Padmashree Ms Santosh Yadav. The topic for the lecture was "Motivation, Team Building, Leadership and Risk Management – An Everest Conqueror's Story".

## H.8. N R Kamath Chair Lecture

---

IIT Bombay organised Third NR Kamath Chair Public Lecture on December 9, 2016



**Title:** "The Economics of Corruption, Black Money and Demonetization"

**Speaker:**

Prof. Kaushik Basu  
 NR Kamath Chair Professor at IIT Bombay  
 C. Marks Professor at Cornell University, New York  
 (Former Chief Economist, The World Bank)

Date: December 9, 2016

### Abstract

The prevalence of corruption and black money in an economy slows down development and damages the moral fabric of society. To curb these heinous practices, passion and determination are necessary but not sufficient. We need data, analysis and economic theory. In the lecture, Prof. Basu examined what we can learn from these methods to address some of the most pressing challenges that India faces today. The lecture ranged from global experiences to India's recent demonetization policy.

### About the Speaker

Prof. Kaushik Basu is NR Kamath Chair Professor at IIT Bombay, Professor of Economics and C. Marks Professor at Cornell University and was, till recently, the Chief Economist and Senior Vice President at the World Bank. Prior to that, he served as the Chief Economic Adviser to the Indian Government. A PhD from the London School of Economics, he has published widely in the areas of development economics, industrial organization theory and game theory. He is a recipient of several honorary doctorates, including from IIT Bombay.

## H.9. N R Kamath Chair Colloquium

---

### N.R. Kamath Chair Colloquium on "Proofs and Computation"

IIT Bombay organised its Fourth N. R. Kamath Chair Colloquium on "Proofs and Computation" on 4th January , 2017.



**Title:** "Proofs and Computation"

**Speaker:** Prof. Madhu Sudan  
NR Kamath Chair Professor at IIT Bombay  
Gordon McKay Professor of Computer Science,  
Harvard John A. Paulson School of Engineering and Applied Sciences

**Abstract:**



While it is well-understood that Proofs form the foundations of Mathematics, it is less well-known that Proofs and Computers are intimately related. Indeed a common perception is that the only link between Proofs and Computing is that sometimes computers can assist in the search for proofs. In this talk Prof. Madhu Sudan will describe a more historically significant, and intrinsic, connection. Proofs by definition are "Computational Objects" - and to understand the difference between a theorem and its proof, one needs to understand computational complexity of tasks - namely the number of steps on a computer needed to solve a given task. In this talk, Prof. Madhu Sudan will talk about the historical role of proofs in computation, leading to the "prototype" of the modern computer in the 1930s, to the conception of the famous "Is  $P = NP$ ?" question in the 1970s and some modern variation like interactive proofs, zero-knowledge proofs and probabilistically checkable proofs. The speaker will explain how at each stage the study of proofs has revolutionized the understanding of what computers can or can not do!

### **About the Speaker:**

Prof. Madhu Sudan is a Gordon McKay Professor in the John A. Paulson School of Engineering and Applied Sciences at Harvard University. He obtained his Bachelors degree from IIT Delhi in 1987 and his Ph.D. from U.C. Berkeley in 1992. Between 1992 and 2015, he worked at IBM Research (Research Staff Member 1992-1997), at MIT (Associate Professor 1997-2000, Professor 2000-2011, Fujitsu Chair Professor 2003-2011, CSAIL Associate Director 2007-2009, Adjunct Professor, 2011-2015), and at Microsoft Research (Principal Researcher, 2009-2015). He has been at Harvard since October 2015.

Prof. Madhu Sudan's research interests revolve around theoretical studies of communication and computation. Specifically his research focuses on concepts of reliability and mechanisms that are, or can be, used by computers to interact reliably with each other. His research draws on tools from computational complexity, which studies efficiency of computation, and many areas of mathematics including algebra and probability theory. He is best known for his works on probabilistic checking of proofs, and on the design of list-decoding algorithms for error-correcting codes.

In 2002, Madhu Sudan was awarded the Nevanlinna Prize, for outstanding contributions to the mathematics of computer science, at the International Congress of Mathematicians in Beijing. He is also the recipient of the 2014 Infosys Foundation Prize in Mathematical Sciences. Madhu Sudan is a fellow of the ACM, the IEEE, the AMS and the American Academy of Arts and Sciences. He was a Radcliffe Fellow from 2003-2004.

## I. Major Events Organized by Dean ACR Office

### I.1. Institute Valedictory Function



On the occasion of the Institute Valedictory Function organised for the graduating class of 2016, Prof. B. Nag auditorium in VMCC encountered huge turnout of students. The event was graced by the presence of institute dignitaries; Prof. Devang Khakkar, Director, Prof. D. B. Phatak, Valedictory Speaker, Prof. Soumyo Mukherjee, Dean of Student Affairs, Prof. Ravi Sinha, Dean of Alumni & Corporate Relations and Ms. Damayanti Bhattacharya, CEO of IIT Bombay Alumni Association. The event began with opening remarks by Prof. Sinha who welcomed the guests and the students present at the venue. He labelled the graduating group as "Ambassadors of IITB" and appealed them to keep up the pride of the Institute and contribute fruitfully towards development of the society by being good samaritan.

Prof. Khakkar addressed the teeming arena with welcomed them to the fold of alumni. The Director also assured the students that the education which they have received is probably at par with the best in the world. In order to express the opinions of graduating batch in this ceremony, Mr. Sarthak Agarwal, UG representative and Mr. Ninad Watve, PG representative, voiced their experiences and feelings of the time spent at IIT. Mr. Agarwal stated that he believed in looking forward and not lament about the foregone days while Mr. Watve highlighted the value of perseverance. Ms. Damayanti Bhattacharya threw light on the

activities of the association and how it strives to serve the alumni community. She invited all to become a member of the esteemed body.

The most awaited moment of the ceremony arrived when Padmashree Prof. Deepak B. Phatak walked up the dais to thunderous applause. His anecdote-rich speech was relished by the audience. Pin drop silence prevailed in the auditorium as Prof. Phatak orated his learnings from life at IITB. He also enumerated essential qualities that the youth must inculcate to become a virtuous citizen of the society. He described the attributes required to be successful in the career, but also pointed out that successful career is not good enough for an IITian. He then went on to discuss success in life and how that is distinct from success in career. He pointed out that true satisfaction is obtained from success in life and not in career. He impored the graduating batch to focus on successes in life, and to also contribute to the well-being of their families, community, Institute and the society. The spectators were awestruck by his talk and expressed their adoption of his advice by a standing ovation. As a token of appreciation he was presented with a caricature depicting Prof. Phatak's contribution towards mass teaching through online media. The event ended with a jovial vote of thanks by Prof. Mukherjee. As responsible stakeholders of the IITB family, the graduating students pledged a portion of their earning towards as contribution to the institute. The ceremony concluded with a sumptuous buffet amidst an air of nostalgia.

The Institute Valedictory Function was organised by the Dean (ACR) office and Dean (SA) office in association with IIT Bombay Alumni Association.

## 1.2. Mr. Takeshi Furuichi's visit IIT Bombay



IITs are often mentioned in Japanese media as the centers of innovation. This led Mr. Takeshi Furuichi to visit IIT Bombay's campus. Mr. Takeshi Furuichi is the Executive Vice President and Representative Director of Nippon Life Insurance Company. Mr. Furuichi is also a Non-Executive Director of Reliance Life Insurance Corporation.

He had a brief meet with Prof. Devang Khakhar, Director and Prof. Ravi Sinha, Dean (ACR). Following that he visited the Centre of Excellence in Nano electronics in Electrical Engineering department and Tata Centre for Technology and Design (TCTD). He also interacted with faculty members and students at TCTD and got a close view of innovation cycle in the Institute.



### I.3. Student Alumni Meet

The Students Alumni Relationship Cell (SARC) hosted its annual Student Alumni Meet, "Alumination" on 1st and 2nd October 2016. This year's meet was a highly career centric event designed especially for the students appearing for placements this year and was organised in association with Placement Office. An overwhelming participation was seen from both students and alumni. Our alumni were very happy to share their expertise and experience with the students. A number of events such as Mock Interviews, Speed Mentoring, Group Discussions, Core Engineering talks, etc. were scheduled during the event. Under the Alumni Student Mentorship Program (ASMP), an event called "Break the Ice" was organised where the students got an opportunity to meet their alumni mentor for the very first time.

### I.4. Alumni Day & Presentation of Distinguished Service Awards

IIT Bombay celebrated the annual Alumni Day on the 25th of December (the last Sunday of the year) with a bang. The event started off with welcome by Prof. Ravi Sinha (Dean, Alumni & Corporate Relations). This was followed by Prof. Devang Khakhar's (Director, IIT Bombay) opening address where he briefed the about the changes that are happening in the Institute. He also mentioned about the growing focus on research activities and how IIT Bombay has witnessed the growth in number of young minds taking up academics as their career. He mentioned the important landmarks of the Institute crossing 10,000 students for the first time ever. He also mentioned that, with over 620 full-time faculty members, IIT Bombay now has the largest number of faculty members among all IITs. He described the major initiatives taken by the Institute during the past year. He also invited the alumni to review and send their comments on the draft Institute Strategic Plan.

On this occasion, the '**Distinguished Service Awards**' were conferred to six alumni to recognize their contribution in a very notable and sustained manner to the progress of the Institute. This DSA were conferred on Mr. Pradip Nadkarni (B.Tech., 1970, Mechanical Engineering), Mr. Raj Nair (B.Tech., 1971, Metallurgical Engineering), Mr. Avinash Sankholkar (B.Tech. 1974, Chemical Engineering), Mr. Dinkar Natraj (B.Tech., 1982, Chemical Engineering), Mr. Suneet Chitale (B.Tech., 1984, Mechanical Engineering) and Ms. Anuradha Narasimhan (B.Tech., 1990, Civil Engineering).

An important attraction of this eventful day was the contribution made by **Distinguished Alumnus Mr. Pramod Chaudhari** (B.Tech. 1971, Mechanical Engineering), Executive President of Praj Industries. Mr. Chaudhari. He made a huge contribution of Rs. 2.51 crores to the Institute towards establishing a *Centre for Learning and Teaching*, which will focus on promoting teaching and learning at IIT Bombay. Mr. Chaudhari is a recipient of Distinguished Alumnus Award as well as Distinguished Service Award from IIT Bombay. He has earlier contributed to establish two Chair Professorships and has also generously supported other important activities at the Institute

*Detailed Profiles Can be found in Appendix K.9.*

## I.5. Alumni Reunions

---

**Silver Jubilee Reunion:** During this event, the **Class of 1991** presented their 'Silver Jubilee Class Legacy Project' as they pledged to contribute a record-breaking amount of Rs. 8 Crore to the Institute. The Legacy Project will support important initiatives at the Institute. Over 130 alumni from the class of 1991 attended the Silver Jubilee reunion and the Alumni Day events. Efforts made by the reunion leaders from the class of 1991, whose untiring efforts helped a large number of their classmates to connect with one another and with the Institute were widely applauded.

**Jade Reunion:** The class of 1980 held their Jade Jubilee reunion on December 27, 2016. This function was also well attended. Speaking on behalf of the batch, Mr. Ram Kelkar mentioned that the alumni of their batch are reaching the end of their professional careers, and can be in the position to contribute more of their time for the Institute.

**Decennial Reunion:** The class of 2005 held their Decennial reunion on December 27, 2016, which was also attended by several alumni. The class expressed their hope that their Silver Jubilee reunion would be as well attended as that of the class of 1990, and expressed their desire to contribute to the Institute on a continuing basis. They also expressed their wish to start their batch legacy project corpus now itself instead of waiting for their Silver Jubilee year.

**Golden Jubilee Reunion:** The class of 1967 celebrated its Golden Jubilee Reunion of their graduating class from IITB. More than 30 participants along with their spouses started arriving by mid-afternoon on 6th Jan, 2017. Friday evening was the first highlight of this fun-filled weekend, the Welcome Drinks and Dinner program at the Meluha hotel not too far from the campus. On Jan 7, after the group photo session, the formal program started with a presentation by Director Devang Khakhar. He talked about the phenomenal growth of the Institute in the recent past, its growth pangs and his vision for the future. It was followed by Dr. Ravimohan's (alumnus) most informative review of the progression of India, IIT, and all of them as a group and as individuals "from then to now" with characteristic thoroughness and detail.

**Ruby Reunion:** IIT Bombay celebrated the Ruby Reunion (40 years) for the batch of 1977 on 20th and 21st January 2017. It was an event attended by a total of 47 alumni from USA, Dubai, New Zealand, Bengaluru, Hyderabad, Pune & Mumbai .The event kick started with Prof. Ravi Sinha, Dean Alumni & Corporate Relations' welcome speech to the gathered alumni where he pointed out the importance and value of alumni involvement with the Institute. Following this, Director IIT Bombay, Prof. Devang Khakhar gave a talk on the evolution, accomplishments, and roadmap of the Institute. It was during this event when the class of 1977 pledged to contribute an amount of Rupees fifty lakhs for student welfare activities.

## I.6. US Annual Roadshow

---

**Faculty Alumni Network (FAN) Symposium:** US Faculty Alumni Network (FAN) Symposium was held on October 14-15, 2016 at St. Louis, Missouri. The Symposium was organized jointly with IIT Bombay Heritage Foundation and Washington University in St. Louis. The theme for the Symposium was "*Innovation and Entrepreneurship.*" A number of highly distinguished speakers participated as keynote speakers, panelists and participants. Special highlight was the startup pitch competition where 10 startup companies, selected through rigorous screening, pitched

to a panel of venture capitalists and angel investors. About half of these companies are by IIT Bombay alums based in India.

**Distinguished Alumni Meeting:** A meeting of the Institute's Distinguished Alumni was held on 15th & 16th October 2016. The meeting was held following the FAN event. Eleven Distinguished Alumni participated in the brainstorming sessions with the Deputy Director (Finance & External Affairs), Dean (Alumni and Corporate Relations) and other IITB officials to sketch a strategic plan for IIT Bombay's future development. The updates from previous DA meetings in January 2015 and 2016, salient points of Institute Strategy Plan and priorities of IIT Bombay Research & Development Foundation were also discussed during the meeting.

**Meetings with University Leaderships:** During the roadshow, the IIT Bombay team held meetings with leaderships of several universities in the US. These included Carnegie Mellon University, Georgia Institute of Technology, New York University, Northwestern University, Notre Dame University, University of California at Los Angeles, University of Pittsburgh, University of Southern California, University of Toronto, and Washington University in St. Louis.

**Alumni Meetings:** A number of meetings with alumni in the US were held during the roadshow. Alumni chapter meetings were held in Chicago, Los Angeles, New York City, Pittsburgh and Toronto.

## I.7. Faculty Alumni Network & Annual Distinguished Alumni Meet

IIT Bombay has continued to grow & develop over the years with the help of its successful alumni. Annual Distinguished Alumni Meet is an initiative that brings together IITB's distinguished alumni who have contributed and have been acknowledged for their distinguished services to the society at large. The meet is held annually to plan the strategic growth of the institution in the future years. This event was held in Goa on 21<sup>st</sup> -22<sup>nd</sup> January 2017. The annual Faculty Alumni Network (FAN) India meeting was also held on January 21, 2017 in Goa in conjunction with the Distinguished Alumni meeting. The FAN meeting theme was "*Large Scale Computing & its Applications.*" The current status and future of large-scale computing applications in various domains of science and engineering were discussed during the meeting. In addition to IIT Bombay faculty members with research interests on the topic, a number of alumni and industry leaders also participated in the FAN meeting.

## I.8. Foundation Day and Distinguished Alumnus & Young Alumni Achievers Award Presentations

IIT Bombay celebrated its 58th Institute Foundation Day on March 10<sup>th</sup> 2017. The Chief Guest for the occasion was Mr. Sanjay Mashruwala, Managing Director of Reliance Jio Infocom Limited. The event also marked the felicitation of Distinguished Alumni Awardees & Young Alumnus Achiever Awardees. The Prof. S.C. Bhattacharya Research Excellence Award in Pure Science & Prof. H.H. Mathur Excellence Award in Applied Sciences were also awarded during the event.

The Institute recognized 14 outstanding alumni this year by bestowing them with **Distinguished Alumnus Awards** and **Young Alumnus Achiever Awards**.

Following are the Distinguished Alumnus Awardees for the year 2017

- |                            |                                   |
|----------------------------|-----------------------------------|
| 1. Prof. Ajit Tamhane      | B.Tech, 1968, Mechanical          |
| 2. Mr. Paritosh Choksi     | B.Tech, 1975, Mechanical          |
| 3. Mr. Parag Saxena        | B.Tech, 1977, Chemical            |
| 4. Mr. Narendra Joshi      | B.Tech, 1979, Mechanical          |
| 5. Dr. Mukta Ghate Farooq  | B.Tech, 1983, Metallurgy          |
| 6. Mr. Ardeshir Contractor | B.Tech, 1984, Mechanical          |
| 7. Prof. Nitin Padture     | B.Tech, 1985, Metallurgy          |
| 8. Mr. Rajesh Subramanian  | B.Tech, 1987, Chemical            |
| 9. Prof. Umesh Waghmare    | B.Tech, 1990, Engineering Physics |
| 10. Dr. Ganesh Natrajan    | PhD, 2005, School of Management   |
| 11. Dr. K. Sivan           | PhD, 2006, Aerospace              |

The Young Alumni Achiever Awards (YAA) are for alumni who have made outstanding achievements in their chosen field of work and are below 40 years of age. These awards were instituted in the year 2011. Following are the awardees for the year 2017.

Young Alumni Achiever Awards 2017:

- |                              |                               |
|------------------------------|-------------------------------|
| 1. Prof. Pramod Reddy        | Dual Degree, 2002, Mechanical |
| 2. Mr. Prashant Mali         | Dual Degree, 2003, Electrical |
| 3. Mr. Harpreet Singh Grover | Dual Degree, 2005, Civil      |

## J. Appendix

## J.1. Funded Scholarship Details

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Class of '85 Memorial (Shekhar Ayyar)	Samir Shah-Prakash Peres Memorial Scholarship	Varunesh Goyal	140070006
Abhay Kulkarni	Mr. S.J. & Mrs S.S. Kulkarni	Neil Adit	13D070035
Avi Nash	Indira Manudhane Scholarship	Sagar Varshney	140020084
Bharat Shiralkar	Mr. S.S. Shiralkar	Dedhia Charmi	130070007
Gautam Advani	Gautam Advani Scholarship	Dedhia Charmi	130070007
Lionel D'luna	Lionel j. D'luna Scholarship	Shah Saumil Dhanraj	13D170001
Noorali Sonawalla	Mr Badruddin Sonawalla Scholarship	Shah Nikunj Minesh	15D100004
Noorali Sonawalla	Mrs. Minaz Sonawalla Scholarship	Meet Udeshi	14D070007
Noorali Sonawalla	Mr Kasamali Virani Scholarship	Shah Saumil Dhanraj	13D170001
Sunil Shah	Smt. Ila Chandrakant Shah Scholarship	Bhalgat Yash Sanjay	13D070014
Tarak Goradia	Mr. Shantilal H. Goradia	Dedhia Charmi	130070007
Deepak Sabnis	Prof. G.N. Revankar Scholarship	Meet Udeshi	14D070007
Dev Purkayastha	Nagesh C Chaudhuri Scholarship	Meet Udeshi	14D070007



Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Dev Purkayastha	Bijoya Chauduri Sholarship	Shah Saumil Dhanraj	13D170001
Dev Purkayastha	Ashish Prasad Nandi Majumdar Scholarship	Neil Adit	13D070035
Dev Purkayastha	Bibha Nandi Majumdar Scholarship	Shivani Agrawal	130020073
Dev Purkayastha	David J Dunn Scholarship	Shah Nikunj Minesh	15D100004
Dev Purkayastha	Usha Purkayastha Scholarship	Utkarsh Brajbhushan Singh	14D070015
Dev Purkayastha	Himangshushekar Purkayastha Scholarship	Mehta Nihar Nikhil	13D100011
Dev Purkayastha	Gajendra Chandra Malakar Scholarship	Dangi Milind Sudarshan	140110027
Ruyintan E. Mehta	Ruyintan E. Mehta Scholarship	Sagar Varshney	140020084
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Bhalgat Yash Sanjay	13D070014
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Gopale Rajat Mahendra	130040007
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Gopale Rajat Mahendra	130040007
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Srikonda Sandeep	130010044
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Tarun Bajaj	140040058
Shenoy, Menezes, et al	IIT Alumni at Microsoft Scholarship	Prakirt Raj Jhunjunwala	140070027
George Tharakan	George Tharakan Scholarship	Kanhaiya Kumar	13D070046

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Giridharan Iyengar	Mr. & Mrs. Ranganathan Scholarship	Mehul Shah	130020090
Prafulla Nabar	Mr M. G. Nabar Scholarship	Pratham Naik	130100062
Rajeev Mundhe	Mr. Balkrishna K. Mundhe Scholarship	Pratham Naik	130100062
Subodh Ghonge	Subodh Ghonge Scholarship	Katuri Sai Kiran	130050051
Arunava Majumdar	MJ Scholarship	Gopale Rajat Mahendra	130040007
Ravi Apte	Shri C.K. Apte Memorial Scholarship	Koraganji Gokul	130070050
Abhay Talsania	H. J. Talsania Scholarship	Sagar Varshney	140020084
Deepak Kamath	Manohar & Sunita Kamath Scholarship	Srikonda Sandeep	130010044
Dilip Limaye	R. N. Limaye Scholarship	Raj Kumar Kedia	140040085
Rajesh Radhakrishnan	C Vimala Menon & M.R.K Menon	Dangi Milind Sudarshan	140110027
Dady Dadyburjor	Burjor S. Dadyburjor	Sagar Varshney	140020084
Deepak Sabnis	Prof K Shankar Scholarship	Utkarsh Brajbhushan Singh	14D070015
Jayant Kanitkar	Kanitkar Merit Scholarship	Tarun Bajaj	140040058
Kishor Kulkarni	Dr. Kishor M Kulkarni scholarship	Mehta Nihar Nikhil	13D100011
Kishor Kulkarni	Prof. Mohan M. Kulkarni Scholarship	Srikonda Sandeep	130010044

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Milind Mahajan	Prabhakar D. Mahajan Scholarship	Tarun Bajaj	140040058
Abraham Thomas	Abraham Thomas Scholarship	Asapu Vinaya Kumar	130260017
Vidyadhar Kulkarni	Vidyadhar and Radhika Kulkarni Scholarship	Raj Kumar Kedia	140040085
Sandeep Vijayakar	Lata Vijayakar Scholarship	Tarun Surana	130040046
Dwarika Agarwal	Madho and Radha Agarwal Scholarship	Akash Garg	130070060
Suresh Nihalani	Suresh and Varsha Nihalani Scholarship	Akash Garg	130070060
Suresh Nihalani	Suresh and Varsha Nihalani Scholarship	Karan Vaidya	130050019
Niranjan Talwalkar	Shubha and Anand Talwalkar Scholarship	Akash Garg	130070060
IITBHF	IITBHF Scholarship	Kumar Siddharth	13D070033
IITBHF	IITBHF Scholarship	Katuri Sai Kiran	130050051
IITBHF	IITBHF Scholarship	Arpit Gupta	130020098
IITBHF	IITBHF Scholarship	Sanghvi Yash Chetan	13D170003
IITBHF	IITBHF Scholarship	Shah Maulik	13D100004
Rajendra Agarwal	Roopkumar and Surajdevi Agarwal Scholarship	Karan Vaidya	130050019
Samir Kapoor	Dinanath and Gayatri Nath Scholarship	Dedhia Charmi	130070007

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Deepak Sabnis	Prov MV Hariharan Scholarship	Kanhaiya Kumar	13D070046
Rajesh Rajaraman	N. S. Rajaraman Scholarship	Shah Nikunj Minesh	15D100004
Vinod Menon	Dr. P Remadevi Menon Scholarship	Radhika Choudhary	130100055
Anonymous	Anonymous	Pratham Naik	130100062
Anonymous	Anonymous	Marepally Koushik	130010047
Anil Kumar	Virendra Kumar Scholarship	Gaurav Mehta	130070022
Brijesh Agarwal	Radha Rani Agarwal Scholarship	Karan Vaidya	130050019
Anonymous	Anonymous	Marepally Koushik	130010047
Anonymous	Anonymous	Sanghvi Yash Chetan	13D170003
IITBHF	IITBHF Scholarship	Akash Garg	130070060
Abhay Talsania	Abhay Himatlal Talsania Scholarship	Thatipamula Akhil	130050068
Narendra Joshi	Narendra Joshi Scholarship	Mohammed Owais Khan	130050050
Balakrishnan Subramanian	P K Seshambal Scholarship	Asapu Vinaya Kumar	130260017
Microsoft alums	Alumni at Microsoft scholarship	Gopale Rajat Mahendra	130040007
Microsoft alums	Alumni at Microsoft scholarship	Thatipamula Akhil	130050068

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Raj Pendse	Mrs. Jyotsna Pendse Scholarship	Dangi Milind Sudarshan	140110027
Girish Kamath	M. Radhakrishna Kamath Scholarship	Thatipamula Akhil	130050068
Anonymous	Anonymous	Gopale Rajat Mahendra	130040007
Anonymous	Anonymous	Gaurav Mehta	130070022
Kirit Bhansali	Justin Bhansali Memorial Scholarship	Mohammed Owais Khan	130050050
Balaji Srinivasan	Lakshmi and Kadayam Srinivasan Scholarship	Arpit Gupta	130020098
Radhika Rajan	Mrs Amrutha Iyengar Scholarship	Seelam Lakshmi Anoocha	150070055
Mr. Pradeep Anand	T. R.S. Anand and Bhanumati Anand scholarship	Mustafa Zoher Husain Lokhandwala	13D070043
Raj Mashruwala	Miss A. J. Majmundar	Mustafa Zoher Husain Lokhandwala	13D070043
Mr. Ravi Apte	Dr. Vijaya Apte Memorial Scholarship	Suvajit Majumder	130260021
Ravi Apte	Dr. G.V. Bakore Memorial Scholarship	Suvajit Majumder	130260021
Raman Rao	Shri Raman K. Rao Scholarship	Kumar Siddharth	13D070033
IITBHF	IITBHF Scholarship	Koraganji Gokul	130070050
Anonymous	The Electrical Engg Dept Scholarship-1	Bhalgat Yash Sanjay	13D070014
Narendra Joshi	Narendra Joshi Scholarship	Mohammed Owais Khan	130050050
Bal Krishnan Subramanian	P K Seshambal Scholarship	Asapu Vinaya Kumar	130260017

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Microsoft alums	Alumni at Microsoft scholarship	Gopale Rajat Mahendra	130040007
Microsoft alums	Alumni at Microsoft scholarship	Thatipamula Akhil	130050068
Raj Pendse	Mrs. Jyotsna Pendse Scholarship	Dangi Milind Sudarshan	140110027
Girish Kamath	M. Radhakrishna Kamath Scholarship	Thatipamula Akhil	130050068
Anonymous	Anonymous	Gopale Rajat Mahendra	130040007
Anonymous	Anonymous	Gaurav Mehta	130070022
Kirit Bhansali	Justin Bhansali Memorial Scholarship	Mohammed Owais Khan	130050050
Balaji Srinivasan	Lakshmi and Kadayam Srinivasan Scholarship	Arpit Gupta	130020098
Radhika Rajan	Mrs Amrutha Iyengar Scholarship	Seelam Lakshmi Anoosha	150070055
Mr. Pradeep Anand	T. R.S. Anand and Bhanumati Anand scholarship	Mustafa Zoher Husain Lokhandwala	13D070043
Raj Mashruwala	Miss A. J. Majmundar	Mustafa Zoher Husain Lokhandwala	13D070043
Mr. Ravi Apte	Dr. Vijaya Apte Memorial Scholarship	Suvajit Majumder	130260021
Ravi Apte	Dr. G.V. Bakore Memorial Scholarship	Suvajit Majumder	130260021
Raman Rao	Shri Raman K. Rao Scholarship	Kumar Siddharth	13D070033
IITBHF	IITBHF Scholarship	Koraganji Gokul	130070050
Anonymous	The Electrical Engg Dept Scholarship-1	Bhalgat Yash Sanjay	13D070014
Narendra Joshi	Aditya Joshi scholarship	Pratham Naik	130100062
Anonymous	Electrical Engineering Dept Scholarship	Abhinav Anupam	130070016
Victor Menezes	Menezes Scholarship	Seelam Lakshmi Anoosha	150070055
IITBHF	IITBHF Scholarship	Karan Vaidya	130050019
Kumar Shah	Kumar Shah scholarship -1	Kumar Siddharth	13D070033
Kumar Shah	Kumar Shah scholarship -2	Katuri Sai Kiran	130050051

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Rajiv Kundalkar	Schol: Shankar Ganesh Kundalkar schol-1	Lad Tanmay Vivek	130020037
Rajiv Kundalkar	Schol: Shankar Ganesh Kundalkar schol-2	Gujjula Sashank Reddy	130070046
1970 batch	1970 Batch legacy Project Scholarship - 1	Katuri Sai Kiran	130050051
1970 batch	1970 Batch legacy Project Scholarship - 2	Arpit Gupta	130020098
IITBHF	IITBHF Scholarship	Mohammed Owais Khan	130050050
IITBHF	IITBHF Scholarship	Suvajit Majumder	130260021
IIT Bombay	IITB alumni at MSFT	Shah Maulik	13D100004
IIT Bombay	IITBHF sponsored new scholarship	Prakirt Raj Jhunjunwala	140070027
Sandeep Vijayakar	Mukund Vijayakar Scholarship	Pratham Naik	130100062
IIT Bombay	Mukund Vijayakar Scholarship	Pratham Naik	130100062
Ravi Apte	Shrimati Indumati BakoreScholarship	Arpit Gupta	130020098
Anonymous	Anonymous Scholarship	Mohammed Owais Khan	130050050
Surendra K. Gupta, 1963 IIT graduate	Surendra Gupta Legacy scholarship	Lad Tanmay Vivek	130020073
Surendra K. Gupta, 1963 IIT graduate	Gupta Family and ARC scholarship	Lad Tanmay Vivek	130020073
Surendra K. Gupta, 1963 IIT graduate	Surendra and Karen Gupta scholarship	Shivani Agrawal	130020073
Surendra K. Gupta, 1963 IIT graduate	Devki and Bishan Chand Gupta Memorial scholarship	Mehul Shah	130020090
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Shah Maulik	13D100004
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Maloo Chandra Ashok	130050009
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Gopale Rajat Mahendra	130040007
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Thatipamula Akhil	130050068

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Avi Nash (GNY Chapter)	Greater New York Chapter Alumni - The Indira Foundation Scholarship	Prakirt Raj Jhunjunwala	140070027
Mr. Mayur Datar and Ms. Gauri Shah	Sitabai Datar Scholarship	Thatipamula Akhil	130050068
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	Maloo Chandra Ashok	130050009
Anil Diwan	Shree Ratnakar Harihar Diwan Memorial Scholarships	Abhinav Anupam	130070016
Anil Diwan	Shreemati Manik Ratnakar Diwan Memorial Scholarship	Abhinav Anupam	130070016
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Vipul Talwaria	130040113
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Sanghvi Yash Chetan	13D170003
Anand Garde	Prof. Madhav Garde memorial Scholarship	Prakirt Raj Jhunjunwala	140070027
Sandeep Vijayakar	Lata Vijayakar Scholarship	Sanghvi Yash Chetan	13D170003
Sandeep Vijayakar	Lata Vijayakar Scholarship	Vipul Talwaria	130040113
IITBHF	IITBHF Scholarship	Mustafa Zoher Husain Lokhandwala	13D070043
IITBHF	IITBHF Scholarship	Maloo Chandra Ashok	130050009
IITBHF	IITBHF Scholarship	Kulkarni Kaushik Giridhar	130100023
IITBHF	IITBHF Scholarship	Vipul Talwaria	130040113
IITBHF	IITBHF Scholarship	Nazhar Hussain	130110061
IITBHF	IITBHF Scholarship	Medikonda Krishna Reddy	130020118
IITBHF	IITBHF Scholarship	Mehul Shah	130020090
Mr. and Mrs. P.B.Shah	Sharda B. Shah scholarship	Koraganji Gokul	130070050
Prafulla Nabar	Nalini G. Nabar scholarship	Shah Maulik	13D100004
Yogen dalal	Dalal scholarship	Gaurav Mehta	130070022



FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Kulkarni Kaushik Giridhar	130100023
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Koraganji Gokul	130070050
Rajendra & Pallavi Shah	Lalita Shah Scholarship	Abhinav Anupam	130070016
Anand Garde	Educator Malati Garde Scholarship	Vipul Talwaria	130040113
Niraj Shah	Shah& Kothary Family Scholarship	Abhinav Anupam	130070016
Kirit Bhansal	Kirit Bhansali scholarship	Maloo Chandra Ashok	130050009
Rajinder Singh	Shri. Harcharan Singh Minhas (parents of Rajinder Harcharan Singh C'88) Scholarship	Kulkarni Kaushik Giridhar	130100023
Rajinder Singh	Smt. Mohinder Kaur Minhas (parents of Rajinder Harcharan Singh C'88) Scholarship	Kulkarni Kaushik Giridhar	130100023
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Shah Nikunj Minesh	15D100004
Suhas Pai	Laxmi Pai Scholarship	Nazhar Hussain	130110061
Suhas Pai	Anant Pai Scholarship	Nazhar Hussain	130110061
IITBHF	IITBHF Scholarship	Nazhar Hussain	130110061
IITBHF	IITBHF Scholarship	Tarun Surana	130040046
IITBHF	IITBHF Scholarship	Utkarsh Agrawal	130260013
IITBHF	IITBHF Scholarship	Ayush Dhakar	130050033
IITBHF	IITBHF Scholarship	Vegulla Kranthi	130050062
IITBHF	IITBHF Scholarship	Abhay Singh Bhadoriya	130020089
IITBHF	IITBHF Scholarship	Ankit Rathore	130050029
IITBHF	IITBHF Scholarship	Amardeep	130110075
Greater New York Chapter	IITBAA Greater New York Chapter Alumni Scholarship	Abhinav Anupam	130070016

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Chris Farias	Gratian Farias, Flight Engineer, Memorial Scholarship	Shudhatma Jain	130050024
IITBHF	IITBHF Scholarship	Mohd Rizwan	155060004
IITBHF	IITBHF Scholarship	Donthula Akshith Reddy	150050074
Greater New York Chapter	Anupama Bhatia Memorial Scholarship	Medikonda Krishna Reddy	130020118
Victor Menezes	Nina Menezes Scholarship	Abhinav Anupam	130070016
Pardaman Sawhney, Bandana Singhal, Ajit Sawhney, M.S. Puri and Jagjodh Singh	Vidya Scholarship	Tarun Surana	130040046
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	Tarun Surana	130040046
Anonymous	Anonymous Scholarship	Shudhatma Jain	130050024
Anand Garde	Archaeologist Moreshwar Garde Scholarship	Shudhatma Jain	130050024
Ashok V. Kulkarni	Ashok Vasant Kulkarni Scholarship	Shudhatma Jain	130050024
Mr. Gagan Singh	JP Singh Scholarship	Utkarsh Agrawal	130260013
Narendra Kumar Kirpalani	Bulchand and Rani Kirpalani Scholarship	Utkarsh Agrawal	130260013
Ruyintan and Monica Mehta	Ruyintan & Monica Mehta Scholarship	Utkarsh Agrawal	130260013
Samir Patel	Patel Scholarship	Lad Tanmay Vivek	130020037
Aditya behari	O.P. Behari scholarship	Medikonda Krishna Reddy	130020118
Nitish Thakor	Nitish Thakor Scholarship	Medikonda Krishna Reddy	130020118
Anonymous	IITBHF Scholarship	Umesh Kumar	150050052
Atul Thakkar	Atul Thakkar Scholarship	Vemula Vamshi Krishna	130070039

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Atul Thakkar	Atul Thakkar Scholarship	Siddharth Swarnkar	130010038
Firoze Katrak	Class of 1974 Scholarship	Marepally Koushik	130010047
Mahesh Kumar Navani	Shape India Scholarship	Rishabh Agarwal	140050019
Sanjay Vinekar	R.N. Vinekar Memorial Scholarship	Tushar Dhamani	130040047
Toos Daruvala	Toos and Hira Daruvala Scholarship.	Anuj Mittal	140050024
Vinod Menon	Vinod Menon Scholarship	Shubham Yadav	140070028
Vinod Menon	Dr. Remadevi Menon Scholarship	Radhika Choudhary	130100055
Vinod Menon	Vinod Menon Scholarship	Mukul Kumar Jangid	130100027
IITBHF Scholarship Fund	IITBHF Scholarship	Rohit Kumar Jena	150050061
IITBHF Scholarship Fund	IITBHF Scholarship	Saksham Jindal	150100113
IITBHF Scholarship Fund	IITBHF Scholarship	Chasmai Huzefa Ebrahim	15D170013
IITBHF Scholarship Fund	IITBHF Scholarship	Chitwan Saharia	150050011
Amitabh Mitra	Prof. K.K. Mitra Scholarship	Tarun Bajaj	140040058
Anil Diwan	Shree Ratnakar Hariharrao Diwan Memorial Scholarship	Utkarsh Agrawal	14D070015
Anil Diwan	Shreemati Manik Ratnakar Diwan Memorial Scholarship	Shivani Agrawal	130020073
Anil Kaza	K. A. L. Kameswari Scholarship	Dangi Milind Sudarshan	140110027
Mukul Paithane	Sandhya Paithane Hostel Scholarship	Neil Adit	13D070035
Gagan Singh	JP Singh Scholarship	Seelam Lakshmi Anoocha	150070055
Himanshu Patel	Manorama I Patel Scholarship	Gaurav Mehta	130070022
Himanshu Patel	Indravadan Patel Scholarship	Neil Adit	13D070035

FUND UTILIZATION REPORT

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Sandesh Joshi	Sandesh Joshi Scholarship	Saurabh Vishwakarma	130110055
Prakash Karpe	Anand and Sudha Karpe	Lad Tanmay Vivek	130020037
Prof A N Chandorkar Memorial Scholarship	Prof A. N. Chandorkar Memorial Scholarship	Gujjula Sashank Reddy	130070046
Ruyintan Mehta	Ruyintan & Monica Mehta Family Scholarship	Lad Tanmay Vivek	130020037
Ruyintan Mehta	Ruyintan & Monica Mehta Family Scholarship	Saurabh Vishwakarma	130110055
Anonymous sponsor	Patel Scholarship	Salehbai Fatima	15D170002
Sanjay Joshi	Narayan and Laxmibai Joshi Memorial Scholarship	Gujjula Sashank Reddy	130070046
Anonymous	Undergraduate Scholarship	Saurabh Vishwakarma	130110055
Sudhind Dhamankar	Diwakar & Jyoty Dhamankar Scholarship	Gujjula Sashank Reddy	130070046
Sunita Parasuraman	Sri Ramana Maharshi Scholarship	Saurabh Vishwakarma	130110055
The Indira Foundation	The Indira Foundation Scholarship	Kanhaiya Kumar	13D070046
The Indira Foundation	The Indira Foundation Scholarship	Thatipamula Akhil	130050068
The Indira Foundation	The Indira Foundation Scholarship	Asapu Vinaya Kumar	130260017
The Indira Foundation	The Indira Foundation Scholarship	Varunesh Goyal	140070006
The Indira Foundation	The Indira Foundation Scholarship	Sagar Varshney	140020084
The Indira Foundation	The Indira Foundation Scholarship	Mehta Nihar Nikhil	13D100011
The DS Foundation	Desai Sethi scholarships	Shalaka Kulkarni	140070010
The DS Foundation	Desai Sethi scholarships	Shivani Bansal	140040035
The DS Foundation	Desai Sethi scholarships	Sheryl Mathew	140260023
The DS Foundation	Desai Sethi scholarships	Rachamadugu Vysali Nikhita	140100102

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
The DS Foundation	Desai Sethi scholarships	Kanchan Khetan	140020091
The DS Foundation	Desai Sethi scholarships	Krati Tiwari	150050051
The DS Foundation	Desai Sethi scholarships	Sneha Bhakare	150050040
The DS Foundation	Desai Sethi scholarships	Yashvi Sharma	150070032
The DS Foundation	Desai Sethi scholarships	Prudhvi Kavya	15D070014
The DS Foundation	Desai Sethi scholarships	Simi Karan	150100094
The DS Foundation	Desai Sethi scholarships	Kavya Bhandari	160070036
The DS Foundation	Desai Sethi scholarships	Priyanshi Somani	16D070031
The DS Foundation	Desai Sethi scholarships	Chanchal Godara	160050038
The DS Foundation	Desai Sethi scholarships	Kondeti Tanmayee	160050093
The DS Foundation	Desai Sethi scholarships	Kochar Dimple Vijay	16D070010

## J.2. Funded Fellowship Details

### J.2.1. Tata Centre Fellowships

Name of the Donor	Name of the Fellowship	Name of the Student	Roll No
Sir Dorabji Tata Trust	Tata Centre Fellowship	Jasleen Chabra	163300004
Sir Dorabji Tata Trust	Tata Centre Fellowship	Prithwish Biswas	163020034
Sir Dorabji Tata Trust	Tata Centre Fellowship	Priya Kedia	163020014
Sir Dorabji Tata Trust	Tata Centre Fellowship	Sujit Modi	163020037
Sir Dorabji Tata	Tata Centre Fellowship	Tushar Aggarwal	163020028

Trust			
Sir Dorabji Tata Trust	Tata Centre Fellowship	Yash Lalai	163350016
Sir Dorabji Tata Trust	Tata Centre Fellowship	Gaurang Singh	163350022
Sir Dorabji Tata Trust	Tata Centre Fellowship	Arpan Hota (PHD)	164076007
Sir Dorabji Tata Trust	Tata Centre Fellowship	Vipul Ahuja	163100053
Sir Dorabji Tata Trust	Tata Centre Fellowship	Mueed Ahmad	163110064
Sir Dorabji Tata Trust	Tata Centre Fellowship	Pankaj (PhD)	154020017
Sir Dorabji Tata Trust	Tata Centre Fellowship	Rahul Sanduja	163109011
Sir Dorabji Tata Trust	Tata Centre Fellowship	Joshi Kirtan	163109007
Sir Dorabji Tata Trust	Tata Centre Fellowship	Yash Lalai	163180001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Parth Joshi	15310R005
Sir Dorabji Tata Trust	Tata Centre Fellowship	Jithu Krishna	15307R002

Name of the Donor	Name of the Fellowship	Name of the Student	Roll No
Maharashtra Pollution Control Board	Maharashtra Pollution Control Board Fellowship	Ayushi Khare	153180006
Maharashtra Pollution Control Board	Maharashtra Pollution Control Board Fellowship	Sneha Phalke	153180011

### J.3. Awards and Prizes awarded duration Convocation

Sr. No.	Name of Student	Name of Award	Roll No
1	Akshay Adlakha	Ajit Shelat Award	143070094
2	Patil Sukanya Abhijit Das Ishant Tiwari	Bhavesh Gandhi Memorial Prize	110100025 145120005 145120011
3	Dwaracherla Vikranth Reddy	Dilip R Limaye Academic Excellence Award	120070048
4	Sayandeep Roy	Shri R Vembu Iyer Memorial Prize	145060019
5	Reeba Jacob	Dr.GargiVishnoi Memorial Prize	09430008
6	Prajwal K A	S C Mehrotra Prize	130040106
7	Shubham Agrawal	S C Mehrotra Prize	140040083
8	Kanush Agrawal	S C Mehrotra Prize	150040083
9	Kazi Saif Rahaman	Indira Manudhane B.Tech. Excellence Award	120020024
10	Deepanshu Verma	Mrs. Rama Mathur Memorial Prize	155090007
12	Surajit Dutta	Prof. R.P. Singh Memorial Prize	145120024
13	Deepak Dilipkumar	Tulsiram Devidayal, P.M. Natu, Damle Trust Prize	120100089
14	Shubham Chandak	Prof K C Mukherjee -Award	120070028
15	Arka Chakraborty	Prof. A.B. Biswas Memorial Prize & Shri Prakash Krishnan Award	145030028

Sr. No.	Name of Student	Name of Award	Roll No
16	Arka Chakraborty	Prof. Hiralal Memorial Award	145030028
	Vishnu Nair		111030025
17	Angan Sengupta	Prof. Kartic Khilar Prize for Excellence in Research at the Doctoral Level	10402002
	Dharmendra Mandaliya		09402301
18	Suryanaryana Vegi	Prof. Kartic Khilar Prize for Excellence in Research at the Masters Level	143024001
19	Rishika Dasani	Prof. M.N. Gopalan Prize	145280024
20	Dond Asha Kiran	Prof. Prabhulal Bhatnagar Memorial Prize	09409004
21	Piyush Lakmani	R G Manudhane M.Tech. Student Excellence Award	11D020027
22	Richa Karmarkar	R G Manudhane Ph.D. Student Excellence Award	10402013
23	Chirag Gandhi	Prof. A.K. Mallik Award	130110003
24	Ishwar	Shri Ashok Chaturvedi Memorial Prize	143100043
25	Sarode Akshay Sanjay	Akshay Dhoke Memorial Award	
26	Hitaishi Arora	Prof. M.N. Vartak Memorial Prize	155280029
27	Redasani Rushabh	Urvish Medh Memorial Prize	160070016
	Sridhar Srivatsan		150070005
	Sattwik Mishra		140070036
	Shorya Consul		13D070027
28	Patankar Aniket Sanjay	Shri T.K. Subramanian Prize	13010008
29	Patankar Aniket Sanjay	Shri Rakesh Mathur Excellence Award	13010008
30	Divyansh Boradia	Mr. Pranab Ranjan Sen Award	11D110022
31	Mansvita Vashisth	Chandrashekhar Prize	120020049
32	Dasvit Sadanand Shetty	Shubhada Mulekar Joshi Award	145300002

#### J.4. List of Institute & Named Chair Professors



FUND UTILIZATION REPORT

Sr No	Name	Department	Name of the Chair	Effective from
1	Prof. Dulal Panda	Biosciences & Bioengineering	Institute Chair Professor	03.07.2017
2	Prof Soumyo Mukherjee	Biosciences & Bioengineering	Institute Chair Professor	01.04.2016
3	Prof. Jayesh Bellare	Chemical Engg	Institute Chair Professor	04.10.2017
3	Prof. A.K. Suresh	Chemical Engg	Institute Chair Professor	04.10.2017
4	Prof. K V Venkatesh	Chemical Engg	Institute Chair Professor	17.11.17
6	Prof. C.P. Rao	Chemistry	Institute Chair Professor	19.06.2017
7	Prof. K. P. Kaliappan	Chemistry	Institute Chair Professor	19.06.2017
8	Prof R B Sunoj	Chemistry	Institute Chair Professor	19.06.2017
9	Prof G K Lahiri	Chemistry	Institute Chair Professor	19.06.2017
10	Prof M Ravikant	Chemistry	Institute Chair Professor	07.06.2017
11	Prof. D. N. Singh	Civil Engg	Institute Chair Professor	19.05.2017
12	Prof. M. C. Deo	Civil Engg	Institute Chair Professor	19.05.2017
13	Prof. B.V.S. Vishwanadham	Civil Engg	Institute Chair Professor	02.05.2017
14	Prof. T.I. Eldho	Civil Engg	Institute Chair Professor	12.01.2018
15	Prof. Deepankar Choudhury	Civil Engg	Institute Chair Professor	08.10.2017
16	Prof. Sunita Sarawagi	Comp. Sci. & Engg.	Institute Chair Professor	09.04.2017
17	Prof. Siddhartha Choudhuri	Comp. Sci. & Engg.	Institute Chair Professor	11.08.2015
18	Prof. Kanchan.	Earth Sciences	Institute Chair	19.05.2017

Sr No	Name	Department	Name of the Chair	Effective from
	Pande		Professor	
19	Prof. B. G. Fernandes	Electrical Engg	Institute Chair Professor	03.07.2017
20	Prof. D. Manjunath	Electrical Engg	Institute Chair Professor	03.07.2017
21	Prof. V. S. Borkar	Electrical Engg	Institute Chair Professor	02.08.2017
22	Prof. Souvik Mahapatra	Electrical Engg	Institute Chair Professor	03.07.2017
23	Prof. R.K. Shevgaonkar	Electrical Engg	Institute Chair Professor	09.11.2015
24	Prof. Abhay Karandikar	Electrical Engg	Institute Chair Professor	09.11.2015
25	Prof. Vivek Agrawal	Electrical Engg	Institute Chair Professor	09.11.2015
26	Prof. V.M. Gadre	Electrical Engg	Institute Chair Professor	09.11.2015
27	Prof. K. Narayanan	Humanities & Social Sciences	Institute Chair Professor	12.02.2015
28	Prof. P.L. Trivedi	Humanities & Social Sciences	Institute Chair Professor	23.11.2015
29	Prof. Rowena Robinson	Humanities & Social Sciences	Institute Chair Professor	09.11.2016
30	Prof. B.K. Chakravarthy	IDC	Institute Chair Professor	24.09.2015
31	Prof. Sudhir Ghorpade	Mathematics	Institute Chair Professor	18.05.2017
32	Prof. Amiya K. Pani	Mathematics	Institute Chair Professor	18.05.2017
33	Prof. K. P. Karunakara Poopathi	Mechanical Engg	Institute Chair Professor	12.06.2017
34	Prof. M. V. Rane	Mechanical Engg	Institute Chair Professor	19.09.2017
35	Prof.Amit .Agarwal	Mechanical Engg	Institute Chair Professor	05.10.15

Sr No	Name	Department	Name of the Chair	Effective from
36	Prof. Milind. Atrey	Mechanical Engg	Institute Chair Professor	04.05.2017
37	Prof. B. Ravi	Mechanical Engg	Institute Chair Professor	19.09.2017
38	Prof. A.R. Kulkarni	Met. Engg. & Mat. Sci.	Institute Chair Professor	01.08.2017
39	Prof. V.S. Raja	Met. Engg. & Mat. Sci.	Institute Chair Professor	01.08.2017
40	Prof. I. Samajdar	Met. Engg. & Mat. Sci.	Institute Chair Professor	26.08.2017
41	Prof. B.P. Singh	Physics	Institute Chair Professor	13.08.2017
42	Prof. Punit Parmananda	Physics	Institute Chair Professor	17.11.2017
43	Prof. A.V. Mahajan	Physics	Institute Chair Professor	17.11.2017
44	Prof. S. Bhargava	SJMSOM	Institute Chair Professor	25.08.2017
45	Prof. Suparna Mukherji	CESE	Institute Chair Professor	09.11.2015
46	Prof. B.K. Mohan	CSRE	Institute Chair Professor	06.04.2016
47	Prof. B. Bandyopadhyay	CTARA / IE & OR	Institute Chair Professor	29.01.15
48			MPCB Chair	Vacant
49	Prof. R. Murugavel	Chemistry	Biswas Palepu Distn. Chair	19.06.2017
50	Prof. S. R. Kotha	Chemistry	Green Chemistry Chair	19.09.2014
51	Prof. Y. M. Desai	Civil Engg.	JK & MJ Mehta Chair	19.05.2017
52	Prof. Supratik Chakraborty	Computer Sci. & Engg.	Bajaj Chair Professor	08.07.2017
53	Prof. Anil Kumar	Chemistry	Class of 1985 Chair	17.07.2017

FUND UTILIZATION REPORT

Sr No	Name	Department	Name of the Chair	Effective from
54	Prof. Kuldeep Meel	Computer Sci. & Engg.	J. R. Issac Assistant Chair	08.07.2017
55	Prof. S. Sudarshan	Computer Sci. & Engg.	Subbarao M. Nilekani Chair	04.10.2017
56	Prof. Manoj Prabhakaran	Computer Sci. & Engg.	Vijay & Sita Vashee Chair	08.07.2017
57	Prof. Krithi Ramaritham	Computer Sci. & Engg.	Major Bhagat Singh Rekhi Chair	19.04.2017
58	Prof. Preeti Rao	Electrical Engg	HAL Chair	03.07.2017
59	Prof. Subhasis Chaudhuri	Electrical Engg	Kamal Nayan Bajaj Chair	03.07.2017
60	Prof. Rajiv Dusane	Met. Engg. & Mat. Sci.	P.K. Kelkar Chair	13.12.2016
61	Prof. Rangan Banerjee	Energy Sci. & Engg.	Forbes Marshall Chair	19.09.2017
62	Prof. Ravi Poovaiah	Industrial Design Centre	D.L. Shah Chair	28.08.2017
63	Prof. G.G. Ray	Industrial Design Centre	Ramakrishna Bajaj Chair	28.08.2014
64	Prof. Asim Tewari	Mechanical Engg.	G.K. Devarajulu Chair	12.06.2017
65	Prof. S.R.Kotha	Mechanical Engg.	Praj Industries Chair	19.09.2017
66	Prof. Shireesh Kedare	Energy Science & Engg.	Praj Industries Chair for Energy Sciences and Engineering Energy Science & Engg.	17.11.17
67	Prof. Suhas Joshi	Mechanical Engg.	Rahul Bajaj Chair	12.06.2017
68	Prof. D. Parthasarathy	Humanities & Social Sciences	India Value Fund Chair	02.09.2017
69		SJMSOM	MHRD IPR Chair	Vacant
70		SJMSOM	Shailesh Mehta Chair	Vacant
71		Any	Madhuri Sinha Chair	Vacant

Sr No	Name	Department	Name of the Chair	Effective from
72		Any	L & T Chair	Vacant
73		Any	Tata Chair for Technology and Design	Vacant

### J.5. List of Young Faculty Awardees

Sr No	Name of Faculty	Department	Amount Disbursed
1	Prof. Aswani Yella	MEMS	100000
2	Prof. Pradeep Dixit	Mech. Engg.	100000
3	Prof. Venkata S. Delhi	Civil Engineering	100000
4	Prof. Nikhil Karamchandani	Electrical Engineering	100000
5	Prof. Shivaram Kalyanakrishnan	CSE	100000
6	Prof. Amit Kumar Das	Civil Engg.	100000
7	Prof. Sushil Mishra	Mech. Engg.	100000
8	Prof. Manjesh K. Hanawal	IE & OR	100000
9	Prof. Ronnie M Sabastian	Mathematics	100000
10	Prof. Leela S. Panchakarla	Chemistry	100000
11	Prof. Rakesh G. Mote	Mech. Engg.	100000
12	Prof. Jyoti R. Seth	Chemical Engg.	100000
13	Prof. Prachi Mahajan	Mathematics	100000
14	Prof. Debasattam Pal	Electrical Engineering	100000
15	Prof. Neha Gupta	HSS	100000
16	Prof. S. Akshay	CSE	100000
17	Prof. Jayakrishnan Nair	Electrical Engineering	100000
18	Prof. Subramaniam Chandramouli	Chemistry Dept.	100000
19	Prof. Manasa R. Behera	Civil Engg.	100000
20	Prof. Raghunath Chelakkot	Physics	100000
21	Prof. Munish Kumar	CESE	100000

Sr No	Name of Faculty	Department	Amount Disbursed
	Chandel		
22	Prof. Arghadeep Laskar	Civil Engg.	100000
23	Prof. Meera Raghunandan	Civil Engg.	100000
24	Prof. J. Indu	Civil Engg.	100000
25	Prof. Arpita Mondal	Civil Engg.	100000
26	Prof. Sandip Kar	Chemistry	100000
27	Prof. Lalit Kumar	Energy Sci. & Engg.	100000
28	Prof. Amrita Banerjee	HSS	100000
29	Prof. Ahonaa Roy	HSS	100000
30	Prof. Sharmistha Saha	HSS	100000
31	Prof. Arun A Iyer	HSS	100000
32	Prof. Vikram Rentala	Physics	100000
33	Prof. Swagata Basu	Civil Engg.	100000
34	Prof. Suddhasatta Mahapatra	Physics	100000
35	Prof. Prasenjit Basu	Civil Engg.	100000
36	Prof. Mithun K. Mitra	Physics	100000
37	Prof. Titas Dasgupta	MEMS	100000
38	Prof. Mythili Vutukuru	CSE	100000
39	Prof. Aftab Alam	Physics	100000
40	Prof. Hrishikesh Gadgil	Aerospace	100000
41	Prof. Santiram Chatterjee	Civil Engg.	100000
42	Prof. Anush Kapadia	HSS	100000
43	Prof. Sai Vinjanampathy	Physics	100000
44	Prof. Saurav Bhaumik	Mathematics	100000
45	Prof. Sandip Singh	Mathematics	100000
46	Prof. Himanshu J. Bahirat	Elect. Engg.	100000
47	Prof. P. Kumaresan	IDC	100000
48	Prof. Amitabha Nandi	Physics	100000

Sr No	Name of Faculty	Department	Amount Disbursed
49	Prof. Amritanshu Shrivastav	CESE	100000
50	Prof. Siddhartha Chaudhuri	CSE	100000
51	Prof. Ajit V. Rajwade	CSE	100000
52	Prof. Bata K. Das	Mathematics	100000
53	Prof. Chandra M. Rao Volla	Chemistry	100000
54	Prof. V. Ramadesigan	Energy Sci.Engg.	100000
55	Prof. Conan Mukherjee	HSS	100000
56	Prof. Manish Kumar	Civil Engg.	100000
57	Prof. Sudarshan Gurjar	Mathematics	100000
58	Prof. Kumar Appaiah	Elect. Engg.	100000
59	Prof. Sarthak Gaurav	SOM	100000
60	Prof. Nagamani J. Balila	MEMS	100000
61	Prof. Sugandh Malhotra	IDC	100000
62	Prof. Seethamraju Srinivas	ESE	100000
63	Prof. Koushik Saha	Mathematics	100000
64	Prof. Sourav Pal	Mathematics	100000
65	Prof. Tara S. Shaw	HSS	100000
66	Prof. Rahul Purwar	Bio. Sci.	100000
67	Prof. Girish V. Dalvi	IDC	100000
68	Prof. Ritesh Gautam	CSRE	100000
69	Prof. Suyash Awate	CSE	100000
70	Prof. Harish C. Phuleria	CESE	100000
71	Prof. Anupama Kowli	Elect. Engg.	100000
72	Prof. Amber Shrivastava	Mech. Engg.	100000
73	Prof. Pradip P. Kalbar	C-USE	100000
74	Prof. Vivek Sangwan	Mech. Engg.	100000
75	Prof. Sujit Jogwar	Chemical Engg.	100000
76	Prof. Sunita Srivastava	Physics	100000

FUND UTILIZATION REPORT

Sr No	Name of Faculty	Department	Amount Disbursed
77	Prof. Gopal Dixit	Physics	100000
78	Prof. Swati Bhattacharya	Chemical Engg.	100000
79	Prof. Anish Modi	Energy Sci. & Engg.	100000
80	Prof. Aparna Singh	MEMS	100000
81	Prof. Shantanu Tripathi	Mech. Engg.	100000
82	Prof. Ashish Singh	SOM	100000
83	Prof. Vivek Natarajan	Sys. Contr.	100000
84	Prof. Aniruddha Sinha	Aerospace	100000
85	Prof. Neeraj R. Kumbhakarna	Mech. Engg.	100000
86	Prof. Jayadipta Ghosh	Civil Engg.	100000
87	Prof. Alankar	Mech. Engg.	100000
88	Prof. Sharayu Moharir	Elec. Engg.	100000
89	Dr. Soumya Bera	Physics	100000
90	Pro. Ratul Dasgupta	Chemical	100000
91	Prof. Arnab Jana	C-USE	100000
92	Prof. Preethi Jyothi	CSE	100000
93	Prof. Radhendushka Srivastava	Mathematics	100000
94	Prof. Arnab Maity	Aerospace Engg.	100000
95	Prof. Shobhna Kapoor	Chemistry	100000
96	Prof. Prabhakar Naraga	Earth Science	100000
97	Prof. Rohita Bardhan	C-USE	100000
98	Prof. Muhammad Salman	Civil Engg.	100000
99	Prof. Shyamprasad Karagadde	Mech. Engg.	100000
100	Prof. Dayadeep S. Monder	ESE	100000
101	Prof. Vikram Vishal	Earth Science	100000
102	Prof. Zakir H. Rather	Earth Science	100000
103	Prof. Bharath C. Shekar	Earth Science	100000



Sr No	Name of Faculty	Department	Amount Disbursed
104	Prof. Kamendra P. Sharma	Chemistry	100000
105	Prof. Vineeth Nair	Aerospace Engg.	100000
106	Prof. Abhijit Majumder	Chemistry Engg.	100000
107	Prof. Jayesh S. Pillai	IDC	100000
108	Prof. Gulab Singh	CSRE	100000
109	Prof. Varun Bhalerao	Physics	100000
		Total	<b>10900000</b>

## J.6. Distinguished Alumnus Awards (2017)



### Prof Ajit Tamhane

Senior Associate Dean, McCormick School of Engineering & Applied Sciences, Northwestern University

B.Tech., 1968, Mechanical Engineering

Prof. Ajit C. Tamhane is the Senior Associate Dean, McCormick School of Engineering & Applied Sciences, Northwestern University; Professor of Industrial Engineering & Management Sciences (IEMS).

Prof. Tamhane earned his B.Tech. Degree in Mechanical Engineering from IIT Bombay in 1968, he has a M.S. and PhD in Operations Research from Cornell University. Since 1975, he is a faculty member in the Engineering School and Statistics at Northwestern. He was IEMS Department Chair during 2001 to 2008 and Senior Associate Dean from 2008 to present. He is a consultant to many pharmaceutical and other industries. Prof. Tamhane's contributions have been mainly in developing new statistical methodologies for design and analysis of clinical trials involving various types of multiplicities of tests. e.g., multiple outcomes, multiple looks at data (group sequential trials), multiple subgroups of patients, etc. He has also worked on problems in design of experiments and quality control. Prof. Tamhane has penned four books and co-edited two volumes of papers. He is an elected fellow of the American Statistical Association, Institute of

Mathematical Statistics, International Statistical Institute and American Association for Advancement of Science.

"IIT Bombay was a much smaller place during the years 1963-68. There were only seven hostels. Special memories include walks along the Powai and Vihar lakes, walks on the pipelines and to nearby hills, going to a Y-point dhaba to escape from the hostel mess food and unpleasant workshop exercise (which I was not good at and suffered a cut on my wrist while working on lathe). One final memory: a classmate of mine (who will remain anonymous) stole my drawings in the 4th year machine design class by erasing my name on the drawings and putting his name on them. I had to redo all the drawings in two days after my final exam before leaving for summer training. "When I went to submit my drawings, Professor Kanitkar told me that the thief had been caught, thus my efforts were wasted." ---Professor Ajit C. Tamhane



**Mr Paritosh Choksi**

COO, ATEL Capital Group

B.Tech., 1975, Mechanical Engineering

Mr. Paritosh K. Choksi, graduated as a Mechanical Engineer from IIT Bombay in 1975 and earned his MBA degree from the University of California, Berkeley in 1977. Mr. Choksi is currently the COO of ATEL Capital Group. He is a Board Member of: Syntel, Inc. (A Nasdaq company) Lead Director ATEL Capital Group (US Company) Guidance ATEL Investments Limited (Kingdom of Saudi Arabia Incorporated)

His past Board Positions include:

International House at University of California Berkeley IIT Bombay Heritage Foundation

Mr. Choksi was one of the first Indian entrepreneurs to make his company Phoenix American public in 1980 and was probably one of the youngest CXO of a listed company at that time. He has been associated with three IPOs, from his first IPO at Phoenix American, a financial services organization, in 1980, to Wink Communications, an interactive TV company. His most recent one is Syntel, Inc., a \$2 billion IT outsourcing company, where he serves as Lead Independent Director.

In 1984, Mr. Choksi created a financial instrument that is today a multi-billion dollars per year financial industry. It was the innovation of venture leasing and later venture debt. This tool has been used by thousands of startups to finance its growth without giving up equity in the process. It is debt with an equity kicker which gave these emerging companies minimal dilutive capital. Some of the early pre-IPO stage companies he helped finance were Yahoo and Netscape. He later went to finance this on Wall Street using Asset Backed Securitization.

In 2008, he opened up the Islamic capital markets to invest in us equipment leasing to Fortune 1000 companies. His innovation created a vehicle whereby Islamic investors following the principal of Sharia laws invested in income generating equipment leased to companies such

as Walmart, GE, Cargill and Bayer. This was the first financial advisory firm in the Kingdom of Saudi Arabia to lease equipment acceptable to Sharia laws and Ijara.

Mr. Choksi was a member of the first group that received the Distinguished Service Award in 1999 from the then Director Prof. S. Sukhatme for their work in fund raising and organizing the IIT Bombay Heritage Fund.

Mr. Choksi along with a group of his classmates raised funds (approximately \$25,000) in 1995 with small contributions of \$500 to \$1000 each to set up the first Internet connection in a hostel at IITB. This was the genesis of IIT Bombay Heritage Foundation. He was one of the member of the core group of IITians that started the first nonprofit organization to fund IIT Bombay through the IIT Bombay Heritage Foundation. They were able to raise \$20m during the first five years. He also contributed to the Heritage Fund and has a hostel wing dedicated to his mother.

"I bought the first TV on campus in 1972. The first cricket match televised was a way for the hostel to get its TV for free. I turned a capital outlay into a cash flow proposition by charging 50 paise per day to the hostelites and Re.1 per day to non-hostel students and professors. Over the 5-day match, I collected over Rs. 2,500 to pay for the TV. Similarly, I auctioned the gaming stalls so that the hostel could turn a profit for organizing fetes. This model was later followed by many hostels across the campus."---Mr. Paritosh K. Choksi.



### **Mr Parag Saxena**

Founder and CEO, Vedanta Capital and NSR New Silk Route Growth Capital  
B.Tech., 1977, Chemical Engineering

Mr. Parag Saxena graduated as Chemical Engineer from IIT Bombay in 1977 and thereafter did his M.S. from West Virginia College of Graduate Studies in 1978. He earned his MBA degree in Finance from Wharton, University of Pennsylvania in 1982.

Mr. Saxena is the Founder and CEO of Vedanta Capital and NSR New Silk Route Growth Capital. He started his career as an engineer for a medical products company (Becton, Dickinson) to save money for Wharton. He briefly worked as a management consultant after getting an MBA, then worked for a newly formed Venture Capital group at Citicorp. Eventually, he set up Vedanta Capital and NSR and invested around the world.

Mr. Saxena has helped finance over 300 companies, at the venture capital stage, which collectively have a market value exceeding \$500 billion. He has personally led a number of life sciences, telecommunications and retailing companies. He has also served on 80 boards over the years. Mr. Saxena raised a \$1.35 Billion fund for Indian investments, at the time the largest

pool for India. In the past, he has also served as President of The Indus Entrepreneurs (TiE) for five years, Trustee of Bharatiya Vidya Bhavan, served on committees reporting to the Prime Minister of India, Planning Commission, Mayor Bloomberg, Speaker of the House of the us Congress. Currently, Mr. Saxena is on the Advisory Councils at Brown, University of Penn, SIPA at Columbia University, Royal Shakespeare Society. Mr. Saxena has been on Forbes' Midas List of Best Technology Investors for years.

"Having endless conversations with fellow I/Tians, still my dearest friends, early Mood Indigos and part of the planning, Bridge with a special thrill of playing Prof's Karnath and Rao, acting in plays at PCSA and home paper with Prof Raja Rao (I used it in my first full time job as an engineer at Becton, Dickinson)."  
---Mr. Parag Saxena.



### **Dr Narendra Joshi**

Chief Scientist, General Electric Global Research Center  
B.Tech., 1979, Mechanical Engineering

Dr. Narendra D. Joshi is currently Chief Scientist, General Electric Global Research Center and Advanced Propulsion Technologies Leader.

He graduated from Ill Bombay in 1979. He earned his PhD in Mechanical Engineering from the State University of New York at Stony Brook in 1984.

Dr. Joshi started his career studying flames in microgravity before switching to gas turbine combustion systems working on innovative gas turbine concepts for power generation in a small company. Here he developed his expertise on combustion systems. He moved to General Electric Aircraft engines and was tasked with the development of the OLE combustion systems for the LM series of engines. Nitrogen oxides are formed in the high temperature regions of gas turbine combustion chambers. Dr. Joshi led a team that redesigned these chambers to effect 90% reduction in emissions of nitrogen oxides while developing the Dry Low Emissions combustion technology for the General Electric aeroderivative gas turbine engines such as the 40MW class LM6000. The team developed the world's first, lean premixed, triple annular combustion system, which utilized another world first, an active acoustic control for combustion dynamics.

He gained additional insight into the deployment of combustion systems while leading the combustion team working on the GE90 engine, which powers the Boeing 777 aircraft.

Following these assignments, he moved over to the aeroderivative business and was responsible for the advancement of aeroderivative engines. In this position, he helped develop the SPRINT systems which increased power output of the LM6000 engines upto 25% on hot days. He was also responsible for the development of the concept of the world's first intercooled aeroderivative gas turbine engine the LMSIOO which is based on the CF6-80C2 and the 6FA gas turbine engines. He was a part of the team that developed and introduced this 100 MW class power-plant.

After the commercial introduction of the LMSIOO power plant, Dr. Joshi moved to General Electric Global Research (GEGR) to lead advanced technology programs for propulsion. At GEGR Centre, he is responsible for a comprehensive portfolio of programs, developing technologies from the nacelle and fan of a turbo-fan engine to the combustion and turbine components as well as electric hybrid propulsion.

Dr. Joshi is a member of the AIAA and ASME. Within the AIAA, he is a member of the Gas Turbine Engine Technology, the Energy Optimized aircraft, Green Engineering and the Pressure Gain Combustion committees. He Joshi has over 12 publications and 56 issued patents to his credit.

He has been awarded the GE Energy DTI Growth Champion in 2005, GE Energy Intellectual Property Value Award and General Electric Lewis Latimer Award in 2004, GE Aircraft Engines Sanford Moss award for LM6000 Field intro in 1996 and AIAA Dayton/Cincinnati Chapter award for outstanding achievement in 1995.

"One of the memorable events was the All India Machine Tools Design and Research conference in 1978. IIT Bombay hosted a number of events. Among the things we did was making a number of displays in the machine tools lab working for Prof Ramaswamy and hosting lunches in the foyer of Convo."---Dr. Narendra D. Joshi



**Dr Mukta Ghate Farooq**

Technology leader for Advanced Silicon Packaging  
B.Tech., 1983, Metallurgical Engineering

Dr. Mukta Ghate Farooq is a Fellow at Globalfoundries and the technology leader for Advanced Silicon Packaging. She has been a leader in semiconductor and packaging technology including CMOS Back End integration, chip package interaction, 2.5D and 3D integration, die stacking, C4 and Cu pillar interconnects, ball grid and column grid arrays, lead-free alloys, and intellectual property development.

Dr. Farooq obtained her B.Tech. degree in Metallurgical Engineering from IIT Bombay in 1983, M.S. in Materials Science from Northwestern University in 1985 and her PhD in Materials Science and Engineering from Rensselaer Polytechnic Institute, Troy, New York, USA in 1988.

Dr. Farooq is a world-renowned expert in 3D Cu TSV integrated circuit technology. She was the IBM technology leader who drove the team to achieve the industry's first ever logic wafer with through silicon vias, a ground-breaking achievement in semiconductor technology. She has been invited to teach short courses and give lectures at various universities and symposia, and to write seminal papers in her field of expertise. She is a prolific inventor with over 190 issued patents and is a highly regarded advisor in the development of intellectual property. She has been a long-serving mentor to professionals in engineering, especially women, at GlobalFoundries, IBM, as well as other institutions. She has also mentored many new college grads and young professionals, and is a strong advocate for STEM outreach in elementary and middle schools.

Dr. Farooq is a Metallurgist and Materials Scientist in Semiconductor R&D and Advanced Silicon Packaging Technology. She is a team leader for large multifunctional, international teams tasked with complex technology development and qualifications, inventor and innovator. She is a member of technical committees at flagship semiconductor conferences. A distinguished lecturer of the Electron Device Society, she is an invited speaker at Women in Engineering events and the South Asian Women's Leadership Forum. She is a Co-founder of the IBM Semiconductor Technology Symposium and the GlobalFoundries Technology Forum, part of EDS Board of Governors and Chair of the EDS Mid Hudson Chapter.

Dr. Farooq is an IEEE Fellow, GlobalFoundries Fellow, GlobalFoundries Master Inventor, IBM Lifetime Master Inventor, IEEE EDS Distinguished Lecturer and RPI Mercer Distinguished Lecturer. She is nominated to the IBM Academy of Technology. Her achievements include Outstanding Technical Achievement Awards, High Value Patent Awards and National Women of Color in STEM - All Star Technology Award. She was nominated to Alpha Sigma Mu (ASM Honor Society).

"The resplendent campus in the monsoon, biking to lectures, physics problem-solving and "cack sessions" until 2 am, making some of the best friendships of my life, Mood Indigo, Midnight Treasure Hunts and Himankan '81 with the girls and the guys. Being hostel literary secretary, writing articles for campus magazines, acting on the LT stage for Inter-Hostel Dramatics (winning the 1st prize in final year), representing Hostel 10 in What's the Good Word, Quiz Contests and Antakshari. Performing, choreographing and sitting atop an elephant (!) for inter-hostel EPs. And of course, meeting my future husband Shaji Farooq."---Dr. Mukta Ghate Farooq.



**Mr. Ardeshir Contractor.**

Founder & CEO, Kiran Energy

B.Tech., 1984, Mechanical Engineering

Mr. Ardeshir Contractor is the Founder & CEO of Kiran Energy. Founded in 2010, Kiran Energy is a solar energy utility at the forefront of India's renewable energy market. Kiran Energy's fleet of solar power plants are located in Rajasthan, Gujarat and Maharashtra. By 2013, it became India's largest solar utility. Kiran Energy has operational joint-ventures with Mahindra & Mahindra and First Solar, USA. In its journey, the company examined and deployed multiple innovative products and also set early benchmarks in non-recourse project financing.

Mr. Contractor graduated with a B.Tech. degree in Mechanical Engineering from IIT Bombay in 1984 and a Masters in Science from Ohio State University in 1986, where he led a graduate team on development of absorption heat pump systems, a project co-funded by Battelle and Gas Research Institute.

After completing his Master in Science in 1986, Mr. Contractor worked with the Tata Group in corporate venturing for new Engineering business lines till 1990 and then, till 1996, with Lazard as Vice President M&A in Mumbai, New Delhi and London. In 1996 he joined as Managing Director of KPMG India till 2004 and also held international leadership positions of KPMG in the Asian and EMEA regions. During his tenure, KPMG saw a rapid growth and built a leadership position in the Indian market with key projects including the privatization of Mumbai and New Delhi airports.

Prior to founding Kiran Energy, Ardeshir Contractor has been a serial entrepreneur with successful ventures co-founded in the areas of Funds management for real estate and Legal process outsourcing. Mr. Contractor chairs India's Solar Energy Task Force at the Federation of Indian Chambers of Commerce, partnering with the Government in developing policy, standards, sustainable financing and pathways for growth. He has served as independent director on the Boards of Nature India and Zoroastrian Investment Corporation and on the Advisory Committees of several Government Committees, the Clean Energy Ministerial CEM4, the Ohio State Institute of Materials Research, National Centre for Photovoltaic Research & Education, Asia Solar Task Force, Bries Business Council, and the Indian Green Bonds Council. He addressed the United Nations at the Paris COP21 in 2015, was deeply involved during 2015-16 with the UN Environment Programme's Enquiry on Designing a Global Sustainable Financial System, and has been a mentor to start-ups in the UNIDO Clean Tech Program 2014. He is a Research Associate with Edhec Infrastructure Institute, Singapore, investigating longterm asset finance principles.

Mr. Contractor was awarded Distinguished Alumnus Award 2015 by the College of Engineering, Ohio State. Kiran Energy has been awarded by IPPAI the award for the Best Solar Power Developer in 2013. Mr. Contractor has been invited to make plenary presentations at Bloomberg Future of Energy 2013, US Exim Bank Conference 2014 and IEEE PVSC 2015. At KPMG, he was nominated to the KPMG Global Leadership Program at Burgenstock, Switzerland. He published a paper at the ASME Winter Conference 1986 on his research findings at OSU.

"I remain addicted since IIT days to crosswords and now Sudoku and Ken-Ken. I love a good vigorous debate often wishing I had my IITwing-mates as opponents. "---Mr. Ardeshir Contractor.



**Prof Nitin Padture**

Otis E. Randall University Professor in the School of Engineering  
B.Tech., 1985, Metallurgical Engineering

Prof. Nitin P. Padture is the Otis E. Randall University Professor in the School of Engineering and Director of Institute for Molecular and Nanoscale Innovation, at Brown University, Providence, Rhode Island, USA. He graduated with B.Tech degree in Metallurgical Engineering from IIT Bombay in 1985, M.S. in Ceramic Engineering from Alfred University in 1987 and completed PhD in Materials Science & Engineering from Lehigh University in 1991. Later, he was a postdoctoral scholar at the National Institute for Standards & Technology for three years.

Prof. Padture started his academic career at the University of Connecticut, where he rose through the ranks from Assistant Professor to Department Head over a period of ten years (1995-2005). Prior to joining Brown University in 2012, he spent seven years at the Ohio State University, where he was the College of Engineering Distinguished Professor and founding Director of the NSF-funded Materials Research Science & Engineering Center. Prof. Padture has made groundbreaking research contributions in the areas of damage-tolerant ceramic composites for extreme applications; high-performance ceramic coatings for high-efficiency, low-emission jet engines and power-generation gas-turbines; engineered nanomaterials for next-generation nanoelectronics; and, most recently, low-cost, high-efficiency emerging solar cells. He has nearly 200 publications, including papers in journals such as Science, Nature Materials and Nature Communications, and several patents. His research has been heavily cited (Google Scholar h-Index 60) and it has had a broad impact globally. He has raised over US\$40 million in research funds, and has led several research initiatives, including the establishment of a Materials Research Science & Engineering Center, and more recently, a



large multi-university project on affordable solar energy, both funded by the National Science Foundation (NSF). Prof. Padture is a Fellow of the American Ceramic Society (ACerS), and a Fellow of the American Association for the Advancement of Science. He has received ACerS Roland B. Snow, Robert L. Coble, and Richard M. Fulrath awards. He is also a recipient of the Office of Naval Research Young Investigator Award and the IIT Bombay Distinguished Service Award (2012). As an Ivy League educator and administrator, Prof. Padture continues to be passionate about educating/ training next-generation leaders; promoting research excellence; enhancing research infrastructure; and addressing global challenges in transportation, security and energy sectors.

"My love for research and academia took root at IIT Bombay, as early as second year B. Tech. As a naive but motivated undergraduate, I was able to perform independent research and tinker in the laboratory. I am eternally grateful to IIT Bombay for that incredible opportunity. Above all, I cherish the lifelong friendships made in IIT Bombay. There are so many special memories, including the late-night 'cack' (chat) sessions, Mood Indigo, Inter-IIT Sports Meets, Winter Trek, Himankan, end-sem parties, Holi celebrations, Eps, 'gaali' fights with H4 and H2, inter-wing volleyball and dry dinner."---Professor Nitin P. Padture.



### **Mr Rajesh Subramaniam**

Chief Marketing Officer and Executive Vice President, FedEx Corp.  
B.Tech., 1987, Chemical Engineering

Mr. Rajesh Subramaniam graduated as a Chemical Engineer from IIT Bombay in 1987. He earned his Master of Science in Chemical Engineering from Syracuse University and MBA from the University of Texas in Austin.

Immediately after completing his MBA, he joined the Marketing team in Memphis in 1991. His leadership skills took him to Hong Kong, where he oversaw Marketing in Asia-Pacific. Mr. Subramaniam then took over as the President of FedEx Express in Canada before moving back to the U.S. as Senior Vice President of Marketing and Communications for FedEx Services.

He now serves as the Chief Marketing Officer and Executive Vice President for FedEx Corp. In this role, he sits on the FedEx Strategic Management Committee, a small group of the company's top leadership, responsible for the company's strategic direction around the world. At FedEx, Mr. Subramaniam is also responsible for several landmark developments, including

the first-ever global brand campaign, and a significant expansion of the company's global product portfolio. Under his leadership, FedEx retains an enviable position as one of FORTUNE Magazine's World's Most Admired Companies.

Mr. Subramaniam's international leadership experience, keen business insights and focus on globalization have contributed to the success of FedEx, and continue to provide a roadmap for future growth initiatives. He champions what is often referred to as the "FedEx Access Effect," the idea that FedEx stands at the intersection of the physical and virtual infrastructure required for global commerce, therefore helping businesses to flourish, economies to prosper, and standards of living to improve.

Mr. Subramaniam has won many honours and awards. Prominent ones include the President's Award, given by the Prime Minister of Canada in 2006 for his work encouraging a more open relationship between India and Canada and the EXCEL award from the International Association of Business Communications. He is a four-time recipient of the FedEx Five Star award, the company's highest honor. He serves on several advisory boards, including the U.S.-India Business Council; First Horizons National Corporation; Orpheum Theatre of Memphis; American Heart Association and Fogelman Center of Business and Economics at the University of Memphis. He has been inducted into the Fogelman Center of Business and Economics Hall of Fame.

"I enjoyed the intense competition among my bright mates at IIT. I won my skills and life-long love for learning here. The Institute gifted me friendships that have endured through the years. In addition, I am extremely grateful for the level of expertise and knowledge demonstrated by the faculty, noting that the teachers constantly challenged students to think and perform."---  
Mr. Rajesh Subramaniam.



**Prof Umesh Waghmare**

Dean, Academic Affairs, JNC SAR  
B.Tech., 1990, Engineering Physics

Prof. Umesh Vasudeo Waghmare obtained his B.Tech. degree in Engineering Physics from IIT Bombay in 1990, his MS and MPhil in 1994 and his PhD in Applied Physics from Yale University in 1996. From 1996 to 2000, he worked as a postdoctoral fellow and research associate in Physics department of Harvard University. Prof. Waghmare joined the faculty of JNC SAR, Bengaluru in 2000, where he is currently a Professor in the Theoretical Sciences Unit, and the Dean, Academic Affairs. He presently serves as a member of the Council and a Secretary of the Indian Academy of Sciences, Bangalore.

Prof. Waghmare has used first-principles (non-empirical) physical theories, modeling and computer simulations effectively in obtaining fundamental insights into microscopic mechanisms that govern multi-scale behavior of a wide range of materials and their technologically important properties. These include smart multi-functional materials, nano-materials and topological insulators, which have applications in sensors, actuators, computer memories, energy conversion and storage, and catalysis of reactions for clean environment. Taking into account most realistic aspects of a material, his work leads to prediction of material-specific phenomena ranging from sensitive ferroelectricity to mechanical properties of super-alloys used in blades of a jet engine. It involves strong interactions with experimentalists and has transcended the boundaries of physics, chemistry and engineering, with focus on materials. He regularly contributes to organization of short-term schools and workshops for training students in computational materials science. Through active involvement in Science Outreach activities, he has reached out to broad spectrum of people ranging from school children in remote villages of Uttarakhand to graduate students in Africa.

Prof. Waghmare is a recipient of the Infosys prize in Engineering and Computer Science in 2015, a JC Bose National Fellowship in 2014, India Citation Award in 2012, S S Bhatnagar prize in Physical Sciences in 2010, IBM Faculty award in 2009, DAE Outstanding Researcher Award (2009), BM Birla prize in Physics and an MRSI Medal in 2005, DuPont Young Faculty grant award in 2004. He has been elected to the fellowship of Indian Academy of Sciences, Bangalore, National Academy of Sciences, Allahabad and Indian National Science Academy, Delhi.

"His special memories associated with IIT Bombay include week-end hikes to various peaks in the Western Ghats, the annual elections in H-7, and preparations for PAF."---Professor Umesh V. Waghmare.



**Dr Ganesh Natrajan**

Chairman, Global Talent Track Ltd.

PhD, 2005, School of Management

Dr. Ganesh Natarajan obtained his PhD degree from the School of Management, IIT Bombay in 2005. He holds a degree in Mechanical Engineering, postgraduate degree in Industrial Engineering, PhD in Knowledge Management, Advanced Management from Harvard Business School.

Dr. Natarajan is the Chairman of SF World Ltd./ Global Talent Track Ltd., Chairman of NASSCOM Foundation and President of HBS Club of India. He has successfully led two public listed companies - APTECH in 1991-2001 and zensar Technologies in 2001-2016. Dr. Natarajan has set up a meta start-up, SF World, that invests in digital companies, start-ups and social enterprises. In the social sector, he is the Chairman of Social Venture Partners and Pune City Connect (PCC) which is helping build Smart City Pune.

He was responsible for turning APTECH from a fledgling computer education start-up in to a global leader with over 1000 centres in 42 countries. During his tenure, zensar Technologies became one of the top 20 software exporters from India with two case studies written and taught at the Harvard Business School. His work with entrepreneurs and the current work he does with consulting and industry majors in the area of Digital Transformation are equally satisfying. He was the Chairman of NASSCOM during 2007-08 and has been the National Chair of Knowledge Management at CII since 2011.

Dr. Natarajan is recipient of the First Distinguished Alumnus Award of NITIE Mumbai. He is a proud recipient of the Awards for excellence in IT from India's first IT Minister Pramod Mahajan for his leadership role. He received awards for leadership from the Asia Pacific HR Forum and exceptional entrepreneurship from Ernst & Young.

"I truly enjoyed the interactions with my PhD guide Dr. Anand Patwardhan and attending pre-PhD classes of Dr. Karuna Jain and Dr.MG. Koregaonkar. It was a welcome break from a CEO existence into the world of academics and research."---Dr. Ganesh Natarajan.



**Dr K Sivan**

Director, Vikram Sarabhai Space Center.  
Ph.D, 2006, Aerospace Engineering

Dr. K. Sivan graduated from Madras Institute of Technology in Aeronautical engineering in 1980. He took his ME in Aerospace engineering from IISc, Bangalore in 1982. Subsequently, he

completed his PhD in Aerospace engineering from IIT, Bombay in 2006. He is currently the Director of Vikram Sarabhai Space Center in Thiruvananthapuram.

During his career at ISRO, he has held many responsibilities like Project Director, Re-usable Launch Vehicle - Technology Demonstrator (RLV-TD); Project Director, Geosynchronous launch vehicle project (GSLV); and Director, Liquid Propulsion Systems Centre (LPSC). He has more than 30 years of experience in the systems engineering of space transportation system, of leading diverse project teams for large and complex projects, of technology development and infrastructure set-up for ISRO's launch vehicle programs.

Dr. Sivan has contributed significantly in PSLV, GSLV and GSLV Mk-III vehicle design. He is the chief architect of 6D trajectory simulation software SITARA and Day of launch - wind biasing strategy for launch vehicles; Failure analysis and design improvements in GSLV launch vehicle; Flight testing of indigenous cryogenic stage; Design improvements in GSLV Mk-111 launch vehicle and evolved cost-effective strategy for Mars Orbiter Mission (MOM) using PSLV. He made significant contribution in RLV-TD vehicle design; Auto-pilot design of RLVTD and revived GSLV program after two consecutive failures. He implemented strategy for upper stage (PS4) restart capability for PSLV which improves mission versatility by injecting different payloads in different orbits in a single mission; SCRAMJET engine flight test; Re-usable launch vehicle technology demonstrator (RLV-TD) flight test; Established Mission Synthesis and Simulation Facility, Parallel computing facility and Hypersonic Wind Tunnel Facility and initiated technology development program for Electric propulsion, Lilon cells, advanced avionics etc.

Based on hands-on experience in all the areas of launch vehicle design and realization, he published a book in Nov 2015 "Integrated Design for Space Transportation System" published by Springer, which highlights the end-to-end integrated design aspects, interactions between various systems and inter-dependencies of various launch vehicle systems. He is a Fellow of Indian National Academy of Engineering, Aeronautical Society of India, Systems Society of India and Indian Systems Society for Science and Engineering. He has received numerous awards throughout his career which includes Doctor of Science (Honoris Causa) from Sathyabama University, Chennai in April 2014, The Distinguished Alumnus Award 2013 from MIT Alumni Association, Chennai, Dr. Biren Roy Space Science Award in 2011, ISRO merit award in 2007 and Shri Hari Om Ashram Prerit Dr. Vikram Sarabhai Research Award in 1999.

"I have vivid memories of lengthy interactions with professors and other faculty members who were friends, philosophers as well as guides. The professors at IIT Bombay not only honed my professional knowledge but also helped in improving my communication skills. I could also relate to the abundant greenery of the IIT Bombay campus."---Dr. K. Sivan

## J.7. Young Alumni Achievers Awards (2017)

---

**Prof Pramod Reddy**

Associate Professor, Mechanical Engineering and Materials Science and Engineering, University of Michigan  
Dual Degree 2002, Mechanical Engineering

Prof. Pramod Reddy is Associate Professor in the Department of Mechanical Engineering and Materials Science and Engineering at University of Michigan, Ann Arbor.

Prof. Reddy received his dual degree in Mechanical Engineering from IIT Bombay in 2002 and PhD in Applied Science and Technology from the University of California, Berkeley in 2007.

Prof. Reddy's research aims to study the transport of energy and the conversion of energy from heat to electricity in objects where the critical dimensions are nanometer sized (i.e. a billionth of a meter in size). The flow of energy in objects with these tiny dimensions is governed by quantum mechanics and is fundamentally different from that observed in macroscopic objects. Understanding these "nanoscale" transport properties is essential for the development of novel electronic and memory devices as well as materials that can convert heat to electricity at very high efficiencies.

Prof. Reddy's experimental work, performed by employing modern tools such as scanning tunneling microscopes and nanofabricated devices, has provided deeper insights into phenomena that have eluded experimental probing. For example, the work performed by him during his PhD has helped in establishing the field of molecular thermoelectrics. Recently, his latest work has provided first insights into how the celebrated laws of thermal radiation—originally established by Max Planck over a century ago—breakdown in nanometer-sized gaps. Finally, his work has experimentally probed the flow of heat in single atoms and shown how heat transport features novel quantum features even at room temperatures.

Prof. Reddy has received National Science Foundation CAREER award in 2009 and has been awarded Young Faculty Award by Defense Advanced Research Project Agency in 2012.

"I have fond memories of the time spent with the numerous friends I made here and the excellent faculty in Mechanical Engineering and Physics who encouraged me to pursue a career in research."---Professor Pramod Reddy.

**Prof Prashant Mali**

Associate Professor, Department of Bio-engineering, University of California [at San Diego](#)  
Dual Degree 2003, Electrical Engineering

Prof. Prashant Mali is Associate Professor in the Department of Bioengineering at the University of California San Diego, USA.

Prof. Mali obtained his dual degree in Electrical Engineering from IIT Bombay in 2003. His research focused on biomedical sensors. He earned his PhD in Biomedical Engineering from Johns Hopkins University, USA with a research focus on pluripotent stem cell biology and engineering. During his postdoctoral fellowship in the Department of Genetics at the Harvard Medical School, he pioneered the development of the CRISPR-Cas systems for eukaryotic genome engineering.

He is currently a faculty in Bioengineering at UCSD. His lab research approach is curiosity-driven, and passionate about understanding and progressively engineering biology towards enabling gene & cell based human therapeutics.

In 2016, Prof. Mali was awarded Frontiers of Science Fellow by Kavli Foundation; Kimmel Scholar Award by Sidney Kimmel Foundation and Basil O'Connor Scholar Award by March of Dimes Foundation. He has also received Burroughs Wellcome Career Award at the Scientific Interface in 2014. Prof. Mali et al. Science 2013 was Genome Advance of the Month, National Human Genome Research Institute. Science recognized the CRISPR-Cas9 system as one of the leading scientific breakthroughs of 2013. He has received Siebel Scholar, Class of 2011 and Dhirubhai Ambani Foundation Undergraduate Scholarship in 1998.

"I think its fair to say that for a lot of us, "IITB was indeed where it all started . . ." The friendships and interactions there were crucial to shaping my outlook and future pursuits started here. In particular, I am deeply thankful to my undergraduate thesis advisor, Professor Rakesh Lal, who ushered me not just into the world of science and research but also into one where the ideal was pursuing 'ideas'. "----Professor Prashant Mali.



**Mr Harpreet Grover**

Co-founder of CoCubes.com  
Dual Degree 2005, Civil Engineering

Mr. Harpreet S. Grover is the Co-founder of CoCubes.com - company recently acquired by Aon Hewitt. Mr. Grover obtained his dual degree in Civil Engineering from IIT Bombay in 2005. He then joined Inductis where he spent two years before starting CoCubes.com.

Helping people in their careers has always been close to his heart. Based on his personal experience, Mr. Grover started BePrepared (compilation of interview and job experiences) when in college. This finally led to leaving his analytics job to start CoCubes.com which today is India's leading employability measurement platform impacting a million careers from plumbing to programming each year. Creating this ecosystem has been tough and the efforts paid off with acquisition of CoCubes.com by Aon Hewitt in November 2016.

"IIT Bombay is where I met my co-founder Vibhore Goyal and my wife Bhakti (who came to do a project in JDC and stayed on in my life forever) - two people who I have spent most of the time since leaving IIT with. Playing squash, sitting at lake side and finishing off with an anda dosa at maddu was how a day after classes looked like. Out of my Tech/est core team of 19, 17 of us ended up becoming entrepreneurs. And this seems like a nice place to mention that ours was the lucky last batch to be allowed motorcycles which played a large role in getting a girlfriend.' the thief had been caught, thus my efforts were wasted. "---Mr. Harpreet S. Grover



## J.8. Distinguished Service Awards 2016



### **Mr Pradip Nadkarni**

Founder, Paradigm Inc.  
B. Tech., 1970 Mechanical Engineering

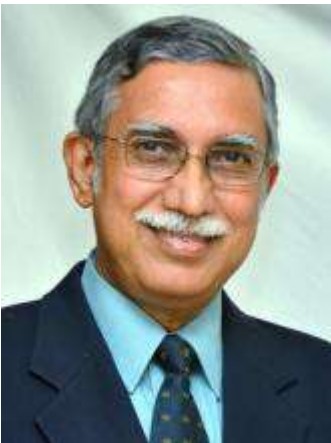
Mr. Pradip Nadkarni is the Founder of Paradigm Inc., a management consulting company that specializes in International Business, Strategic Planning and Supply Chain Management (SCM). Mr. Nadkarni's first assignment was with TELCO (now Tata Motors) and later Bharat Forge, wherein he set up the international division and developed key strategies for exports and globalisation of the company.

In the consulting arena, he worked on various consulting assignments with reputed Indian groups like Mahindra & Mahindra and ISMT. He spearheaded an assignment for the Confederation of Indian Industries (CII) on a pilot project supported by UNIDO and Government of India. Mr. Nadkarni has worked on many international assignments covering various facets of Supply Chain Management for British, German, Swedish and American corporations like Cummins and De Laval.

He was a member of CII's prestigious Globalization Committee during 1990 - 92 and a member of CII's National Committee for Exports for over 10 years. He has also been a member of many senior-level Indian trade delegations for International visits. He is also a member on the Board of Directors of Kalyani Forge Ltd and Johnson Controls Automotive Ltd.

Mr. Nadkarni received his B.Tech in Mechanical Engineering from IIT Bombay in 1970 and did his Masters from the State University of New York, Stonybrook, USA. Subsequently, he obtained a DBM and MMS both from Pune University. Recalling his undergraduate days at IITB, he said, "Scoring the winning goal in the inter-hostel football tournament against H7 was better than a goal scored in the semi-finals while representing IITB in the Inter-University tournament in Indore. I once was thrown out of Prof. Magal's class in Nuclear Engineering when I was caught talking to (Boru) Mondkar. Prof. Magal asked me a couple of questions, which I answered correctly. He then asked me whether I could quantify the extent of my understanding of this complex subject and I responded with 87.65%. His response was understandable."

Mr. Nadkarni was instrumental in planning and organising at least four major reunions of the class of 1970 viz. the 25th reunion in December 1995 (in Mumbai), the 40th reunion in January 2011 (in Mumbai), the re-entry of IIT after 50 years on the IITB campus in July 2015 and the Sapphire reunion in Goa in January 2016. He led the Reunion Organising Committee (ROC) to ensure outstanding outcomes. It was enjoyed by all batch-mates who came from all corners of the globe in a spirit of friendship to do something worthwhile for IITB. In all the major reunions, the class of 1970 was able to collect over Rs 25 million as donation to IITB. His objective is to keep the class of 1970 well-networked and bring all his batchmates together so as to function as one big, happy family internationally. He has worked closely with another batch-mate Ravi Apte in Pune, to set up various special interest Google groups for the IITB Class of 1970, which enable the entire batch to actively keep in touch, from all parts of the world.



**Mr Raj Nair**

Chairman, Avalon Consulting, AGR Knowledge Services, Ugam Solutions and Germinait Solutions  
B.Tech., 1971 Metallurgical Engineering

Mr. Raj Nair is the Chairman of four companies - Avalon Consulting, AGR Knowledge Services, Ugam Solutions and Germinait Solutions. Today, these companies have been awarded and recognised by various institutions, associations and rating firms like Gartner, Forrester, Nasscom, vault, iSpirit, etc. Mr. Nair has won merit scholarship awards at IIM Ahmedabad.

After graduating from IIT Bombay in Metallurgical Engineering in the year 1971, Mr. Nair completed his postgraduate diploma in Business Administration from IIM Ahmedabad and LLB (Gen) from the University of Bombay. He has plenty of memories to share from his student days at IIT Bombay, starting with a monitor lizard (some say it was an iguana) in his hostel wing in the first week to receiving the degree with a broken wrist from Minister C. Subramaniam in the

convocation hall. The protective 'space suit' that was made available to him to conduct experiments with radio-active materials for his Home Paper and the brilliance of many of the faculty members are his fond memories.

Mr. Nair has 43 years of varied experience ranging from consumer durables marketing to merchant banking, from market research to strategy consulting, from big data analytics to artificial intelligence based social media analytics. He has also served as a member on the Boards of private and public limited companies and industry associations in India, UK and Singapore.

He represented IITB Alumni Association as a Director on the Pan IIT Board and is currently the adviser to IITBAA. He was part of the team that organised PanIIT 2006 in Mumbai and the Global Business Forum set-up by IITBAA.



**Mr Avinash Sankholkar**

Managing Partner, Latence Consulting  
B.Tech, 1974, Chemical Engineering

Mr. Avinash Sankholkar is a Managing Partner at Latence Consulting, the Director on the board of Maharashtra Enviro Power Ltd. in Nagpur, a company that deals with the treatment of hazardous effluents and solid waste through cutting edge technologies. Mr. Sankholkar is the former Vice President of L&T Infotech. After retirement from L&T, he set up Latence Consulting that focuses on unlocking hidden potential of enterprise IT systems in project businesses.

Out of a career span of 42 years, he has spent 40 years with L&T Group. The first 25 years were engaged in core chemical engineering of turnkey chemical plants and systems projects in various roles, starting with Process Engineer and ending with General Manger (Projects). The subsequent 15 years focused on Information Technology and Enterprise Systems Deployments and leveraging them to the maximum in L&T's project business.

Subsequently as VP (IT and System Integration Business) of L&T Infotech, he pioneered and steered the company's entry into turnkey IT systems projects.

Mr. Sankholkar also led the enhancement of internal IT systems to ensure a high efficiency of operations with the best level of security. Earlier, he was responsible for fast-track growth of the new Infrastructure Management Services business.

For innovative application of the SAP ERP in the Project Engineering and Construction business, Mr. Sankholkar has won the SAP ACE award. He was also awarded the Intelligent Enterprise Award for the deployment of Project manpower productivity software in L&T E&C Projects. He has also received the Most Admired Knowledge Enterprise (MAKE ) in the E&C Project space.

Mr. Sankholkar is a Director (Hon. Treasurer) on the board of IIT Bombay Alumni Association (IITBAA). He acted like an IITB ambassador in L&T. He was the go-to-person for IITB faculty and students to get in plant vacation training in L&T, factory visits and sponsorship from L&T for IITB conferences and seminars. He was also involved in setting up a L&T Build India scholarship programme and closer cooperation in research projects. Mr. Sankholkar was on a CII Western Region task force, led by Mr. Naushad Forbes and Prof. Ashok Mishra, as L&T nominee, to increase overall industry interaction with IITB in research and operational excellence initiatives. This resulted in a spurt of industry interactions with IITB in multiple roles.

As Hon. Secretary for IITBAA Mumbai Chapter, he was instrumental in reactivation of Chapter activities, with successful organization of a new series of exciting lectures by accomplished alumni, under the banner of SPARK. subsequently, as Director on IITBAA Board, he was in the core group that designed and executed a mega event called IITBAA Global Business Forum. He focused on the financial execution within the budgets to generate a significant surplus. Currently, he is serving as the Treasurer of IITBAA and working on a new initiative to better investment of IITBAA funds to improve yield while controlling direct expenses.

Mr. Sankholkar has a B.Tech in Chemical Engineering from IIT Bombay (1974). Sharing his memories of IIT Bombay, he says, "As Social Secretary in Hostel 4 in the year 1971, I was instrumental in buying the first stereo music system - Cosmic amplifier and Speakers with a Garrard Record player to run LP and EP disc records. Subsequently, I built a top-of-the-line collection of Indian and Western records. It was satisfying to see the hostelites sitting in the lounge and using the facility to the fullest. This memory seems so amazing in contrast to today's times of internet and personal devices for enjoying musical pursuits."

He adds further, "During my final year in IITB in 73-74, I recall the opportunity to meet a shy and quiet fresher, especially since he was from my home town in Goa. Thanks to the IITB magical foundation, over five years on the campus, that person transformed into a daring and dynamic Raksha Mantri of India, our very own Manohar Parrikar."



**Mr Dinkar Natraj**

Co-founder and President, Acalvio Technologies

B.Tech., 1982, Chemical Engineering

Mr. Dinkar Natraj (fondly called as Nat) is currently the co-founder, President of Acalvio Technologies, a security startup based in Silicon Valley. He is also an Assistant Scout Master in Troop 494 Cupertino. Mr. Natraj and his wife Aruna are active in Silicon Valley, Chinmaya Mission and Sankara Eye Foundation.

He ~~did~~ completed his B.Tech in Chemical Engineering in 1982 and Masters in Chemical Engineering from University of Virginia. He is an active member of the SFO Bay Area, Silicon Valley IITB Chapter and is involved in a range of activities from fund raising for his IITB 82 batch, organizing outdoor activities (running, skiing), social activities (82 batch, H6 get-togethers) and mentoring younger professionals, entrepreneurs, etc. He has worked with a number of his classmates to organize the batch's 25th reunion and create a corpus of more than Rs 4 crores to seed the YFA (Young Faculty Award). In addition, he is a keen supporter of the HATS project focused at providing support for mess workers and their families.



### **Mr Suneet Chitale**

CEO, Sprye Solutions

B.Tech., 1984 Mechanical Engineering

Mr. Suneet Chitale runs a consulting company Sprye Solutions since 2005, which helps us and European services companies set up and run development centres in India. These are set up as subsidiaries or virtual subsidiaries of the overseas company. As of today, about 15 companies have been set up mainly for venture capital funded start-up product software companies out of the Bay Area.

After his B.Tech in Mechanical Engineering from Ill Bombay in 1984, Mr. Chitale was in the manufacturing space for about 16 years setting up & running factories in consumer durables, automotive electrical and electrical machines.

Mr. Chitale is actively involved in activities conducted by the IITBAA Pune Chapter since 2009. These include organizing Innovations 2010 and Innovations 2011. The Pune Chapter has subsequently had 4 functions a year in 2011 & 2012. He was involved in organizing talks by reputed personalities including Arvind Gupta on simple toys, Anil Bokil of Arthakranti, Dr. Rajiv Sharangpani on health and fitness, Mansoor Khan on his book The Third Curve, IITB alumnus Arvind Pendse on genetics, the brain, etc. He is also involved in organising Fresher's parties every year, a Classic Rock Show, Shows of the Y-Point orchestra etc.

**Ms Anuradha Narasimhan**

CMO, Britannia Industries  
B.Tech., 1990 Civil Engineering

Ms. Anuradha Narasimhan is a marketing professional with about 25 years of experience in creating and nurturing brands in diverse categories like fast moving consumer goods, lifestyle and telecom. Through her career, she has led marketing and innovation for marquee brands in India - including India's favourite food brand Britannia and the leading lifestyle brand Titan. As the CMO of Britannia Industries, India's oldest food company, she helped build health credentials for the organization. Prior to Britannia, she worked with the Unilever Group, Hutchison Telecom and the Tata group.

She prides herself on having mentored marketing professionals and more importantly women leaders. She has won advertising and marketing awards for work on Hutch and Britannia's health brand Nutrigo and been featured as a leading marketing professional and woman leader in India. After graduating from IIT Bombay as a civil engineer, Ms. Narasimhan acquired a degree in business administration from IIM Bangalore. She is now enrolled in a doctoral programme from Singapore Management University to fulfil her dream of teaching the next generation of marketing professionals.

She is married to her IIM-batchmate, Ashish Dikshit who is the CEO for Madura Fashion & Lifestyle, part of the Aditya Birla group. They have a 19 year old son Adi who is pursuing an undergraduate education in Computer Science at University of California, Los Angeles. She is happiest travelling, being connected to and hanging out with friends, and volunteering for causes.

Ms. Narasimhan was the batch-lead for the Silver Jubilee Reunion (SJRU) for the Class of 1990. The batch set several benchmarks on the journey to the Silver Jubilee, which Ms. Narasimhan had helped brand as "Insti-Wapsi". Over 95% of the batch was re-connected using personal and social networks, a record of 168 batch mates attended the silver jubilee celebrations at the Ill campus and the batch has pledged Rs 6.5 crores to the legacy projects at IIT Bombay. Having converted more than 95% of \$ 1Mn pledges into donated funds, the Batch Committees are now working at planning and deploying the Legacy Projects.

The Class of 1990 is delighted to support ongoing initiatives like the Retired Faculty Wellness Fund, Young Faculty Award and Student Scholarships. The batch is equally keen to contribute to new initiatives like the IDEAS Program for supporting Entrepreneurship and the Clean Green Campus Program to ensure that IITB is the benchmark for Indian campuses. Ms. Narasimhan continues to lead the batch efforts in deployment of the legacy projects. She has volunteered to work on a couple of institute projects, viz Branding Initiatives for SINE (Society for Innovation and Entrepreneurship) as well as CEP (Continued Education Programmes) to help transform them into the next level.

## K. Contact Us:

### K. 1. Contact Us:

Contact Details: Office of the Dean, Alumni & Corporate Relations,  
1<sup>st</sup> Floor, Main Building, IIT Bombay.



Powai, Mumbai – 400076

Phone: +91-22-25767023/4889

Email: [dean.acr.office@iitb.ac.in](mailto:dean.acr.office@iitb.ac.in)